

20.12.2023

**Deputy Director General of Forests (C)** Ministry of Env., Forest and Climate Change, Integrated Regional Office, Bays No. 24-25, Sector 31 A, Dakshin Marg, Chandigarh – 160030

Subject: Submission of Environmental Clearance (EC) six-monthly compliance report as per EC conditions

Ref: EC No: EC21B023HR110104, File No.: SEIAA/HR/2021/461, dated: 31st December'21

Dear Sir,

We, M/s. Grasim Industries Limited (Birla Paints Division) as Integrated Paint Manufacturing Unit at Plot No. 48 to 62, HSIIDC Industrial Estate Panipat, Village Dadlana, Tehsil and Dist. Panipat, State Haryana. We have received the Environment Clearance (EC) on dated – 31st December'21.

We would like to share the latest update on the progress of the project as per the Environmental Clearance dated 31<sup>st</sup> Dec'21. Please find enclosed six-monthly compliance report of EC for your perusal.

We request you to accept the same.

Cc: Haryana Pollution Control Bord (HSPCB), Panipat

Thanking You.

Yours Faithfully, For Grasim Industries Ltd.

Saman, Authorised Signatory

Saurabh Singh

Site Head

Grasim Industries Limited (Birla Paints Division) Site Address : Plot No. 48 to 62, HSIIDC Industrial Area, Refinery Road, Panipat - - 132 140, Haryana . W : www.adityabirla.com



# ENVIRONMENTAL CLEARANCE SIX MONTHLY COMPLIANCE REPORT December-2023

EC Identification No.	EC21B023HR110104	
File No.	SEIAA/HR/2021/461	
Project/Activity including Schedule No.	5(h) Integrated paint industry	
Name of Project	EC for Integrated Paint Manufacturing Unit in Plot No. 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61 & 62, HSIIDC Industrial Estate Panipat, Village Dadlana, Tehsil and Dist. Panipat, State Haryana.	
Name of Company/Organization	GRASIM INDUSTRIES LTD.	
Location of Project	Haryana	

## **Environmental Clearance Conditions Compliance**

S. No.	Specific Conditions: -	Compliance	Annexures
1	The PP shall get the mandatory registration of boiler as per the Boiler Act 1923 and rules 1950 from the Chief Boiler Inspector.	Ground inspection cleared and certified. Boiler registration number received.	Annexure- 1 Boiler registration certificate
2	The PP shall ensure effective functioning of safety, drain valve, monitoring instruments of critical parameter through regular checks and maintain the record for it.	All safety aspect has been considered during the designing of process & equipment. Necessary compliance shall be ensured prior the plant is commissioned.	
3	Effluent shall be treated in the 150 KLD and should adhere to the HSPCB/CPCB Guidelines.	Industrial trade effluent will be treated in 170 KLD capacity of ETP followed by ZLD unit (RO, MEE & ATFD). ETP followed by ZLD plant installed to meet the effluent discharge norms regulated by HSPCB/CPCB.	
4	The Project Proponent would devise a monitoring plan to the satisfaction of the State Pollution Control Board so as to continuously monitor the treated wastewater being used for flushing in terms of faecal coli forms and other pathogenic bacteria.	Domestic wastewater/ sewage effluent will be treated in 30 KLD STP installed plant based on MBR technology and treated water will be passed through UV, considering sewage effluent discharge norms regulated by HSPCB/CPCB	
5	Separate wet and dry bins must be provided at ground level for facilitating segregation of waste. Solid Waste shall be segregated into wet garbage and inert materials. Wet Garbage shall be composted. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The Inert waste from the project will be sent to dumping site.	Separate wet and dry bins provided for facilitating segregation of waste. Adequate area with shed would be provided for solid waste management within the premises to facilitate the segregation & composting of wet garbage through organic waste converter. Waste disposal shall be adhered through HSPCB authorized recyclers/TSDF. HAzardous waste authorisation received from HSPCB.	
6	The PP shall prepare an Action Plan for solvent recovery and their emission control and details of solvent to be used.	Solvent Recovery Plant erection work in progress.	
7	The PP shall make arrangement to control the process emission from the proposed unit.	Air pollution control devices such as stacks, scrubbers & dust collectors are installed to adhere the various process emission as per prescribed limits by CPCB/HSPCB.	
8	The PP shall monitor the ambient air quality of emissions from the project shall include VOC, other process specific pollutants like NH3, Cl, HBr, H2S, HF etc. (as applicable).	Currently we are conducting Ambient air monitoring for construction phase relevant parameters through HSPCB recognised Lab.	Annexure-2 Ambient Air quality monitoring report

S. No.	Specific Conditions: -	Compliance	Annexures
9	The PP shall prepare the work zone monitoring arrangements for hazardous chemicals.	It is noted and will be complied.	
10	The PP shall prepare the detailed effluent treatment scheme including segregation of effluent streams for unit adopting ZLD.	Effluent segregated based on their characteristics and treatment plant has been installed to ensure ZLD.	
11	No lead and chromium-based paint shall be manufactured.	It is noted and will be complied.	
12	The PP shall prepare the action plan for odour control and utilization of MEE/ Dryers Cells.	Close loop system has been designed to control the odour, VOC emission during process and to maintain minimal atmospheric exposure of the chemical/ solvent in the environment.	
13	The PP shall submit the details of incinerator, if to be installed.	Not applicable	
14	The PP shall prepare the Risk Assessment Action Plan for safety, storage and handling of hazardous chemicals.	Detailed risk assessment and action plan prepared & PSSR is in progress area wise.	
15	The PP shall use material safety data sheets for all the chemicals being used or will be used.	It is noted and will be complied.	
16	The PP shall ensure health and safety of the workers engaged in handling of toxic materials.	It is noted and will be complied.	
17	No tree cutting has been proposed in the instant project. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The Existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. As proposed 93555 Sqm (33%) shall be provided for green area development.	Noted for compliance. Green belt development is in under progress as per plan submitted during EC granting.	
18	The Project Proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.	It is noted and will be complied.	

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19	Consent to establish/operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of pollution) Act, 1981 and the Water (Prevention and control of pollution) Act, 1974.	Consent to Operate has been issued by HSPCB (No. HSPCB/Consent/ : 313096423PITCTO38848882 ,Dated:10/10/2023).	Annexure-3 Consent to Operate copy
20	The Approval of the Competent Authority shall be obtained for structural safety of building code due to earthquakes, adequacy of firefighting equipment's etc. as per National Building Code including protection measures from lightening etc.	Structural stability certificate issued by a Competent person.	
21	The PP shall obtain the permission regarding withdrawal of ground water from CGWA before the start of the project and also obtained the CTO from HSPCB after the approval from CGWA	Not applicable	
22	23 Rainwater harvesting recharge pits shall be provided for ground water recharging as per the CGWB norms and one pond	Not applicable	
23	The PP shall install Digital water level recorder for monitoring the water recharge and carry out quarterly maintenance and cleaning of 23 RWH pits.	Not applicable as we are going for any ground water extraction.	
24	The PP shall get permission of 2.0 &0.5 TPH boiler from Haryana Boiler Inspection Department	Permission received	
25	The PP shall record the details of total organic solvent used for the process in the unit	It is noted and will be complied.	
26	The PP shall take all precautions to the use of chemicals and their vapours to manage the fire accident.	Close loop system has been designed to control the VOC emission during process and to maintain minimal atmospheric exposure of the chemical/ solvent.	
27	As proposed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged to any surface water body, sea and/or on land. Domestic sewage shall be disposed off through septic tank/soak pit	All industrial trade effluent will be treated in ETP followed by ZLD unit shall adhere the effluent discharge norms regulated by HSPCB/CPCB. ZLD treated effluent will be reused in utility. Treated sewage water will be used in gardening.	
28	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the	Air pollution control devices such as stacks, scrubbers & dust collectors are installed to	

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	prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines	adhere the various process emission as per prescribed limits by CPCB/HSPCB.	
29	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans- Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Hazardous waste authorization under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	Annexure-4 Hazardous waste Authorization copy
30	Solvent management shall be carried out as follows:		
30.1	Reactor shall be connected to chilled brine condenser system	Chiller/cooling water line connected to reactor limpt and jackets	
30.2	Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Mechanical seals are available for all solvent handling pumps	
30.3	The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 99% recovery	it is complied and Solvent recovery plant installation under progress.	
30.4	Solvents shall be stored in a separate space specified with all safety measures	Solvent storage in separate tank farm area. All state-of-the-art safety measures has been taken.	
30.5	Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done	For fixed type equipment double earthing provided & for portable type earthing clam will be used	
30.6	Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses	Wherever solvent and other flammable chemicals are handled, area Equipments are suitably of flameproof type.	
30.7	All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation	Chiller/cooling water line connected to reactor limpt and jackets	
31	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond	It is noted and will be complied. Strome water reservoir constructed at site.	
32	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps	All hazardous chemicals will be stored in designated tank farm area and all safety measures shall be ensured during tank farm construction and installation.	
33	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF	All hazardous waste shall be disposed as per Hazardous waste authorization to GEPIL under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	

S. No.	Specific Conditions: -	Compliance	Annexures
34	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	It is noted and will be complied.	
35	The company shall undertake waste minimization measures as below:		
35.1	Metering and control of quantities of active ingredients to minimize waste.	It is noted and will be complied.	
35.2	Reuse of by-product from the process as raw materials or as raw material substitutes in other processes	Not applicable	
35.3	Use of automated filling to minimize spillage	Packing machines are automated, trial runs WIP	
35.4	Use of Close Feed system into batch reactors	It is noted and will be complied.	
35.5	Venting equipment through vapour recovery system	Vapor recovery system will be used to condensate and collect vapours to ensure minimum waste	
35.6	Use of high-pressure hoses for equipment clearing to reduce wastewater generation	Complied, high pressure hose procured	
36	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Fire Fighting Scheme & Fire NOC has been approved by Fire Service Department, Haryana	Annexure-5 Fire NOC copy
37	Raw material storage should not exceed threshold limit.	It is noted and will be complied.	
38	Any change in stipulations of EC will lead to Environment Clearance void- ab-initio and PP will have to seek fresh Environment Clearance	It is noted.	
39	Adequate studies have been carried out to ascertain that there would not be any obstruction or impediment in general traffic in vicinity of the project due to the said expansion of the project	Adequate parking space is provided.	
40	The no. of in-bound & out-bound vehicles (1351 PCU/Hr.) and the running hours per day (8 hours) of DG sets considered while undertaking the studies for evaluating the "Incremental Pollution Load" and those are true to best of our knowledge.	Incremental Pollution Load considered as per in-bound & out-bound vehicles (1351 PCU/Hr.) and the running hours per day of Gensets.	

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41	We undertake to use Dual Fired (HSD/Gas) for Boiler, Thermopacs and Emergency Generator, further we would use gas as soon as the same is made available at out plot boundary by the concerned authorities in the line with NCAP/GRAP guidelines.	It is noted and will be complied. Boiler, Thermopacs and Emergency Gas genset provided with Natural gas fuel.	
42	The PP shall submit affidavit mentioning that no untreated water would be released inside or outside the project or anywhere; wastewater would be treated to tertiary level & would be used with the installation of "Dual plumbing".	It is noted and will be complied.	
43	Statutory Compliance:		
43.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable	
43.2	The project proponent shall obtain clearance from the National Board for wildlife, if applicable.	Not applicable	
43.3	The Project proponent shall prepare a Site-Specific Conservation Plan &Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendation of the approved Site-Specific Conservation Plan/Wildlife Management Plan shall be implemented in consultation with the state Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-1 species in the study area).	Not applicable	
43.4	The project proponent shall obtain Consent to establish/operate under the provision of air (Prevention &Control pollution) Act, 1981 and the water (Prevention & control of pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.	Consent to Operate has been issued by HSPCB (No. HSPCB/Consent/ : 313096423PITCTO38848882 ,Dated:10/10/2023).	
43.5	The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as attended from time of time.	Hazardous waste authorization under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	

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43.6	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MJVA), 1989.	It is noted and will be complied.	
44	Air quality monitoring and preservation:		
44.1	The project proponent shall install 24*7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate this system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	CEMS system installed at all stacks for continuous emission monitoring. Connectivity with CPCB/ SPCB server is in progress. Before starting the process it will be done.	
44.2	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	It is noted and will be complied.	
44.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.	AAQMS system installed to carryout Ambient Air Quality monitoring an angle of 120 each, covering upwind and downwind directions.	
	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the	The Gaseous fuel will be used for Boilers, Thermopack & Emergency Generator sets.	
44.4	prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within Permissible limits (as applicable). The gaseous	All stacks are at 35-meter height from ground level and conforming to CPCB/SPCB norms. Scrubber & dust collector installed in each process block to control fugitive emissions.	

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	emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.		
44.5	Storage of raw materials, coal etc. shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Coal: Not applicable, other powder material shall be stored in silo.	
44.6	National Emission Standard for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608 (E) dated 21st July 2010 and amended from time to time shall be followed.	It is noted and will be complied	
44.7	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R No. 826 (E) dated 16th November,2009 shall be complied with	Monitoring of the ambient air quality is done as per MoEF & CC guideline from HSPCB recognised lab.	
45	Water quality monitoring and preservation:		
45.1	The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD).	Online continuous monitoring system of effluent, PTZ web camera with night vision capability and flow meters installation under progress.	
45.2	As already committed by the project proponent. Zero Liquid Discharge shall be ensured, and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).	ETP followed By ZLD system (RO, MEE & ATFD) installed.	
45.3	The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.	ZLD system installed to meet effluent discharge standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the HSPCB in CTO.	
45.4	Total freshwater requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	It is noted and will be complied	

S. No.	Specific Conditions: -	Compliance	Annexures
45.5	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.	It is noted and will be complied. Storm water reservoir constructed at site.	
45.6	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.	Noted for compliance. Rain water harvesting system developed at site as per plan submitted during granting the EC. Harvested rainwater to be reused to reduce freshwater consumption.	
45.7	The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.	Gas set will be provided with adequate height 3o meter as per CPCB norms.	
46	Noise monitoring and prevention:		
46.1	Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	Complied with 25db insertion loss.	
46.2	The overall noise levels in and around the plant areas shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	It is noted and monitoring of the workplace noise level during construction phase is being done Quarterly basis. Half year reports will be submitted to HSPCB	Annexure-6: Noise monitoring reports are attached.
46.3	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986, viz. 75dB(A) during daytime and 70 dB(A) during night-time.	Being complied.	
47	<b>Energy Conservation measures</b>		
47.1	The energy sources for lighting purposes shall preferably be LED based	Entire plant lighting provided with LED.	
47.2	The PP will follow guidelines of ECBC required for industrial projects	It is noted and will be complied.	
48	Waste management		
48.1	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps. Process organic residue and spent carbon, if any, shall be sent to cement industries, ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	It is noted and will be complied. All hazardous waste shall be disposed as per Hazardous waste authorization to GEPIL under the Hazardous and Other Wastes Rules, 2016 granted by HSPCB (No.HWM/PIT/2023/41571676 dated 16/10/2023)	

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	The company shall undertake waste minimization measures as below: -		
48.2	Metering and control of quantities of active ingredients to minimize waste.	It is noted and will be complied	
48.3	Reuse of by-products from the process as raw materials or as raw material substitutes in the other process.	Not applicable	
48.4	Use of automated filling to minimize spillage.	It is noted and will be complied	
48.5	Use of Close Feed system into batch reactors.	Close loop system has been designed to control the VOC emission	
48.6	Venting equipment through vapours recovery system.	Vapor recovery system will be used to condensate and collect vapours to ensure minimum waste	
48.7	Use of high-pressure hoses for equipment cleaning to reduce wastewater generation.	It is noted and will be complied	
49	Green Belt:		
49.1	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along roadsides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	Noted for compliance. Green belt development is in under progress as [per plan submitted during granting the EC.	
50	Safety, Public hearing and Human health issues:		
50.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management prepared & approved.	
50.2	The PP shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	It is noted and will be complied	
50.3	iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of	It is noted and complied.	

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	temporary structure to be removed after the completion of the project.		
50.4	Occupational health surveillance of the worker shall be done on a regular basis and records maintained as per the Factories Act.	Pre-employment and Periodical medical examinations are being done for all workers as per HBOCW rule.	
51	Corporate Environment Responsibility:		
51.1	The project proponent shall comply with the Corporate Environment Responsibility.	It is noted and will be complied. Pond rejuvenation at Azizullapur village (UID: 02HRPPTPAN0001AZIZ001) is completed as per digital survey, approved drawing & BOQ and same informed to HPWWMA. Now model pond civil work has been started by M/s Mamta Chhaya as per approved architectural drawing. To provide Solar lighting & solar lighting system in nearby villages & school is initiated through Renewable Energy department, Haryana.	
51.2	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and /or shareholders/stake stakeholders. The copy of the board resolution in this regard shall be submitted to the MOEF & CC as a part of the six- monthly report.	Environmental Policy has been laid down and displayed at site.	Annexure-7 Environmental policy
51.3	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization	Separate Environmental cell has been established with qualified EHS professionals.	

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51.4	Action plan for implementing EMP and Environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The Year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted and for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	EMP Action plan has been prepared and approved by the Senior Management and same under implementation. Separate funds are allocated for environmental protection measures reports.	Annexure-8 EMP plan
51.5	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	It is noted and will be complied once manufacturing process started at site.	
51.6	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) shall be implemented.	It is noted and will be complied	
52	Miscellaneous		
52.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	As per EC order, Company was given advertisement in two local newspapers of the District/State within 7 days (dated 06/01/2022) from EC granted by SEIAA (dated 31/12-2021). Copy of Times of India & Panjab Kesari will be attached.	
52.2	The copies of the environmental clearance shall be submitted by the project proponents to the heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	As per EC order, environmental clearance copy has be submitted to HSIIDC office and Gram panchayat to display for 30 days in public favour.	
52.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Being complied.	

S. No.	Specific Conditions: -	Compliance	Annexures
52.4	The project proponent shall monitor the criteria pollutants level namely:PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Environmental monitoring being complied, and critical parameters are being displayed on environmental green display board at prominent location.	
52.5	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Being complied	
52.6	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	It is noted and will be complied once manufacturing process started at site.	
52.7	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	It is noted and will be complied	
52.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State government.	It is noted and will be complied	
52.9	The project proponent shall abide by the all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	It is noted and will be complied	
53	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	It is noted and will be complied	

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53.1	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (protection) Act, 1986.)	It is noted.	
53.2	The Ministry/SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	It is noted.	
53.3	The Ministry/SEIAA reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.	It is noted and will be complied	
53.4	The Regional Office of this Ministry shall monitor compliance of the stipulate conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	It is noted.	
53.5	The above conditions shall be enforced, inter-alia under the provisions of the Water (Presentation & Control of Pollution), Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, The Environment (Protection) Act, 1986. Hazardous and Other Wastes (Management &Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other order passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.	It is noted and will be complied	
53.6	Any appeal against this EC shall lie with the National Green Tribunal, if preferred within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	It is noted and will be complied	
53.7	The Project Proponent should intimate to the Authority as well as to the quarter concerned in case of any change in the present communication address.	It is noted and will be complied	

## ANNEXURES

Annexure-1	Boiler registration certificate	
Annexure-2	Ambient Air Monitoring Reports	
Annexure-3	Consent to Operate (CTE)	
Annexure-4	Hazardous waste authorization	
Annexure-5	Fire NOC	
Annexure-6	Noise monitoring reports	
Annexure-7	Environmental Policy	
Annexure-8	Environment Management plan	

Annexure -1

**Boiler Registration Certificate** 

	Depar	rtment of Industries & Commerc	e, Haryana
	es and Commerce, Harva		ryana Department of Industries and Commerce -
From			
The Chie	of Inspector of Boilers,		
Haryana	es and Commerce, Harya		
		uilding,Sector-17B, Chandigarh	
	es and Commerce, Harya	na Department of Industries and Commerce, Ha	
rtment of Industri			
rtment of Industri			
intment of M/s IGB.	ASIM INDUSTRIES LIMIT	Department of Industries and Commerce, Ha الم	
		TRIAL ESTATE, VILLAGE DADLANA, PANIPAT	
[Panipat]	es and Commerce, Harva	ina Department of Industries and Commerce, Ha	
rtment of Industri	es and Commerce. Harva		
Momo	es and Communcer Harva	THE Department of Industries and Commerce, Ha	
Memo No.	0 0 0 0 0 0 0	0 Department of Industries and Commerce, Ha	
	as and Commerce, Harva		
Dated	1 3 0 6 2 0 2	a separtment of Industries and Commerce, Ha	
riment of indust		n peupertment of industries and Commerce, Ha	
rtment of Industri	es and Commerce, Harya	na Department of Industries and Commerce, Ha	
Subject: Indust	sue of Registration numb	per to boiler maker No [FVPL-22-3967]	
It is to inform you	u that your aforesaid boiler	r has been registered. Please find enclosed herewi	th boiler Registration No.[] slip to your subject-cited
boiler.			
Please acknowled	es and Commerce, Harva Ige the receipt.		
rtment of Industri ertment of Industri	es and Commerce, Harya Ige the receipt. South of the receipt.		
Please acknowled Encl: as above	es and Commerce, Harya Jge the receipt. es and Commerce, Harya es and Commerce, Harya		
rtment of Industri ertment of Industri	es and Commerce, Harya es and Commerce, Harya es and Commerce, Harya		
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rtment of Industri ertment of Industri	es and Commerce, Harya es and Commerce, Harya es and Commerce, Harya d Commerce, Harya d Commerce, Harya		ryana Department of Incerties and Communce, H
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rtment of Industri ertment of Industri	es and Commerce, Harva es and Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva		Chief Inspector of Boilers, Haryana.
rtment of Industri ertment of Industri	es and Commerce, Harva es and Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva		Chief Inspector of Boilers, Haryana.
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Encl: as above	es and Commerce, Harva es and Commerce, Harva d Commerce, Harva		Annual Department of Industries and Commerce, H Tryana Department of Industries and Commerce, H Tryana Department of Industries and Commerce, H Tryana Department of Industries and Commerce, H
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Encl: as above	es and Commerce, Harva es and Commerce, Harva d Commerce, Harva es and Commerce, Harva es and Commerce, Harva	Anna Department of Industries and Commerce, Ha Department of Industries and Commerce, Ha Research, Ha Department of Industries and Commerce, Ha Department of Industries and Commerce, Ha Department of Industries and Commerce, Ha Research, Hatta State St	Chief Inspector of Boilers, Haryana Department of Industries and Commerce, Perreguralcertificate/refno/. The Industries and Commerce, Haryana Department of Industries and Commerce, Haryana Department of Industries and Commerce, Haryana Perreguralcertificate/refno/.
Encl: as above	and Commerce, Harva es and Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva d Commerce, Harva es and Commerce, Harva es and Commerce, Harva es and Commerce, Harva es and Commerce, Harva	<ul> <li>Department of Industries and Commerce, Ha</li> </ul>	Chief Inspector of Boilers, Haryana Department of Industries and Commerce, H Parreguralcertificate/refno/. Invana Department of Industries and Commerce, H Parreguralcertificate/refno/.
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			Department of In Chief	Inspector of Boilers,

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	nmerce, Haryana Department of Industries and Commerce, Haryana Department of Industries and Commerce, Ha
	nmerce, Haryana Department of Industries and Commerce, Haryana
Registry Number of Boiler T	Type of Boiler <b>[Smoke/ Fire tube ]</b>
Boiler Rating []	nmerce, Haryanal Department of Industries and Commerce, Haryanal Department of Industries and Commerce, Haryana merces, Haryana, Department of Industries and Commerce, Haryana, Department of Industries and Commerce, Haryana
Maximum Continous Evapor	pration [] Haryana Department of Industries and Commerce, Haryana Department of Industries and Commerce, Haryana
Name of Owner [GRASIM II	INDUSTRIES LIMITED]
Situation of Boiler [PLOT NO	IO 48-62, HSIIDC INDUSTRIAL ESTATE, VILLAGE DADLANA, PANIPAT] artment of Industries and Commerce, Ha
Repairs []	nmerce, Haryana, Department of Industries and Commerce, Haryana, Department of Industries and Commerce, Ha nmerce, Haryana, Department of Industries and Commerce, Haryana, Department of Industries and Commerce, Ha
Remarks [] Ustries and Com	nmerce, Haryana Department of Industries and Commerce, Haryana Department of Industries and Commerce, Ha
Hydrauically Tested on [202	23-01-31] to [15.83]
rtment of Industries and Com	nmerce, Haryanal Department of Industries and commerce, Haryanal Department of Industries and commerce, Haryana nmerce, Haryanal Department of Industries and Commerce, Haryanal Department of Industries and Commerce, Ha
	ve described boiler is permitted be me/ the Chief Inspector under the provisions of Section 7/8 of the Indian Boilers Act, at a maximum pressure of [] kg/cm2 for the period from [] to [].
The loading of the [] safety va Fee Rs. [] paid on []	valve and spring loaded is not to exceed []
rtment of Industries and Com rtipent of Industries and Com	
Dated : [] Intment of Industries and Com	
, Elizzoriai d'Com	nmerce, Haryana Department of Industries and Commerce, Haryana
	nmerce, Haryanal Department of Industries and Commerce, Haryanal Department of Industries and Commerce, Harvana any reset Harvana, Department of Industries and Commerce, Harvanal Department of Industries and Commerce, Harvan
	Verification Link: <u>https://haryanaindustries.gov.in/msme/verify/boilerreguralcertificate/refno/</u>

Annexure-2

## **Ambient Air Quality Monitoring Report**



& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

#### **TEST REPORT**

Issued To:	and the second second	Report No.	· UTU/CD/2	20702000
Grasim Industries Limited (Birla Pain	ts Division)	ULR No.	: HTH/EP/2	100004823F
Plot No. 48, 62, HSIIDC, Industrial				100004823F
Panipat (HR) 132103		Party's Ref No.	No. : Nil	
		Booking Da	ate : 08/07/20	023
		Period of T		023To 14/07/2023
		Reporting		
Sample Description : Ambient Air C	Quality Monitoring	a se se se	3 P. 1	6 1 8 2 2 1
Type of Industry	: Paint Industry	1 1 1 3	State and and	A Start Start
Date & time of sampling	: 07/07/2023 (10:00 Hrs)	) to 08/07/2023 (10	):00 Hrs)	
Sample Location	: Near Transformer Area	a 2 2 2		1 1 2 2 2 2 2
Instrument used	RDS Model APM- 860 (	(Sr. No. 230 DTK 20	16)	1 1 1 1 1 1 1 1 1
Instrument Calibration Status	: Calibrated (upto 29.03.	.2024)		
Purpose of analysis	: Monitoring			
Sample collected/ supplied by	: By our Lab. Representa	itive		
A. Observations:				
1. Sampling flow rate (Avg.)	: 1.19 m3/min			
2. Total volume of air sampled	: 1713.60 m3			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3. Period of sampling	: 24 Hrs			
S.N. Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmosphe	ric Pollution	1		1 1 1 2 1
1 Particulate Matter (PM10)	μg/ m3	61.86	100 max	IS 5182 (Part-23) : 2006
2 Particulate Matter (PM 2.5)	μg/ m3	39.92	60 max	IS 5182 (Part-24) : 2019
3 Sulphur Dioxide (SO2)	μg/ m3	17.51	80 max	IS 5182 (Part-2) : 2001
4 Nitrogen Dioxide (NO2)	μg/ m3	36.77	80 max	IS 5182 (Part-6) : 2006
5 Ammonia (NH3)	μg/ m3	25.37	400 max	IS 5182 (Part-25) : 2018
6 Ozone (03)	μg/ m3	22.38	100 max	IS 5182 (Part-9) : 1974
7 Carbon Monoxide (CO)	mg/ m3	0.344	4 max	IS 5182 (Part-10) : 1999
8 Benzene (C6H6)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9 Benzo - Pyrene (BaP)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10 Lead (Pb)	μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11 Nickel (Ni)	ng/ m3	BLQ (LOQ-0.02)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12 Arsenic (As)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

\*\*\*End of Report\*\*\*

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Md. Asfak Ansari Sr. Manager (Env.)

Page No.: 1 of 1

**Review by** 

Note :

5.

Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.

23

whole lot



#### & Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net





#### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

#### **TEST REPORT**

Grasim Industries Limited (Birla Paints Division),

Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103

Report No.	: HTH/EP/230715005
ULR No.	: TC781123100004983F
Party's Ref No.	: Nil
Booking Date	: 15/07/2023
Period of Testing	: 15/07/2023To 20/07/2023
Reporting Date	: 20/07/2023

### Sample Description : Ambient Air Quality Monitoring

Type of Industry Date & time of sampling Sample Location Instrument used Instrument Calibration Status Purpose of analysis

Sample collected/ supplied by

A. Observations:

Issued To:

- 1. Sampling flow rate (Avg.)
- 2. Total volume of air sampled
- 3. Period of sampling
- : 1.21 m3/min : 1767.01 m3 : 24 Hrs

: Paint Industry

: Near L&T Site

: Monitoring

: Calibrated (upto 29.03.2024)

: By our Lab. Representative

100	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Disc	ipline - Chemical, Group - Atmospheric Pollution	18 18 C	1 1 1 1 1	(	A star of the
1	Particulate Matter (PM10) Particulate Matter (PM 2.5)	μg/ m3	85.45	100 max	IS 5182 (Part-23) : 2006
	Sulphur Dioxide (SO2)	μg/ m3 μg/ m3	41.95 19.59	60 max 80 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001
	Nitrogen Dioxide (NO2) Ammonia (NH3)	μg/ m3 μg/ m3	35.75 22.43	80 max	IS 5182 (Part-6) : 2006
	Ozone (O3) Carbon Monoxide (CO)	µg/ m3	16.85	400 max 100 max	IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974
	Benzene (C6H6)	mg/ m3 μg/ m3	0.687 BLQ(LOQ:0.52)	4 max 5 max	IS 5182 (Part-10) : 1999
	Benzo - Pyrene (BaP) Lead (Pb)	ng/m3	BLQ(LOQ:0.1)	1 max	IS 5182 (Part-11) : 2006 IS 5182 (Part-12) : 2004
	Nickel (Ni) Arsenic (As)	µg/ m3 ng/ m3	BLQ (LOQ-0.02) BLQ (LOQ:2)	1 max 20 max	IS 5182 (Part-22) : 2004 HTH/QF/7.2/2/ICP-01 SOP No 17
-	insenie (co)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

\*\*\*End of Report\*\*\*

: 13/07/2023 (10:00 Hrs) to 14/07/2023 (10:00 Hrs)

: RDS Model APM- 860 (Sr. No. 230 DTK 2016)

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Review by

Note :

Md. Asfak Ansari Sr. Manager (Env.)

Page No.: 1 of 1



& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net





## An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

### **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103 Sample Description : Ambient Air Quality Monitoring		Report No. ULR No. Party's Ref Booking Da Period of T Reporting	<ul> <li>TC78112</li> <li>No. Nil</li> <li>Nil</li> <li>ate : 22/07/2</li> <li>resting : 22/07/2</li> </ul>	2023To 27/07/2023
Type of Industry: IntegratDate & time of sampling: 21/07/2Sample Location: Near SrInstrument used: RDS ModelingInstrument Calibration Status: CalibratPurpose of analysis: MonitoSample collected/ supplied by: By our L	ted Paint Manuf 2023 (10:00 Hrs) nartchem Gate odel APM- 460 Bl red (upto 24.12.2	to 22/07/2023 (10 L (Sr. No. 2305 DTE 2023)	and a second in the second	
A. Observations: 1. Sampling flow rate (Avg.) : 1.20 m3 2. Total volume of air sampled : 1728.00 3. Period of sampling : 24 Hrs S.N. Test Parameters	) m3	Basult	Standard Limite	
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         S.N. Test Parameters		Result	Standard Limits (NAAQS)	Test Method
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         S.N. Test Parameters	) m3	Result		Test Method
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         S.N. Test Parameters	Units	85.76	(NAAQS) 100 max	IS 5182 (Part-23) : 2006
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         S.N. Test Parameters	Units Units µg/ m3 µg/ m3	85.76 43.66	(NAAQS) 100 max 60 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         5.N. Test Parameters	) m3 Units μg/ m3 μg/ m3 μg/ m3	85.76 43.66 20.52	(NAAQS) 100 max 60 max 80 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001
Sampling flow rate (Avg.)     I.20 m3     Total volume of air sampled     Total volume of air sampled     I728.00     24 Hrs     S.N. Test Parameters  Discipline - Chemical, Group - Atmospheric Pollution  Particulate Matter (PM10) Particulate Matter (PM 2.5) Sulphur Dioxide (SO2) Nitrogen Dioxide (NO2)	Units Units µg/ m3 µg/ m3 µg/ m3 µg/ m3	85.76 43.66 20.52 35.26	(NAAQS) 100 max 60 max 80 max 80 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006
Sampling flow rate (Avg.)     1.20 m3     Total volume of air sampled     Total volume of air sampled     1728.00     24 Hrs     S.N. Test Parameters  Discipline - Chemical, Group - Atmospheric Pollution     Particulate Matter (PM10)     Particulate Matter (PM 2.5)     Sulphur Dioxide (SO2)     Nitrogen Dioxide (NO2)     Ammonia (NH3)	Units Units ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3	85.76 43.66 20.52 35.26 25.27	(NAAQS) 100 max 60 max 80 max 80 max 400 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-2) : 2006 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018
Sampling flow rate (Avg.)     1.20 m3     Total volume of air sampled     Total volume of air sampled     1728.00     24 Hrs     24 Hrs     S.N. Test Parameters     Discipline - Chemical, Group - Atmospheric Pollution     Particulate Matter (PM10)     Particulate Matter (PM10)     Particulate Matter (PM2.5)     Sulphur Dioxide (SO2)     Nitrogen Dioxide (NO2)     Ammonia (NH3)     Ozone (O3)	Units Units ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3	85.76 43.66 20.52 35.26 25.27 17.28	(NAAQS) 100 max 60 max 80 max 80 max 400 max 100 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         S.N. Test Parameters       :         Discipline - Chemical, Group - Atmospheric Pollution       :         1< Particulate Matter (PM10)	Units Units ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 mg/m3	85.76 43.66 20.52 35.26 25.27 17.28 0.458	(NAAQS) 100 max 60 max 80 max 80 max 400 max 100 max 4 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-2) : 2006 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974 IS 5182 (Part-10) : 1999
1. Sampling flow rate (Avg.)       : 1.20 m3         2. Total volume of air sampled       : 1728.00         3. Period of sampling       : 24 Hrs         S.N. Test Parameters       :         Discipline - Chemical, Group - Atmospheric Pollution       :         1       Particulate Matter (PM10)         2       Particulate Matter (PM2.5)         3       Sulphur Dioxide (SO2)         4       Nitrogen Dioxide (NO2)         5       Ammonia (NH3)         6       Ozone (O3)         7       Carbon Monoxide (CO)         8       Benzene (C6H6)	Units Units Units Units Units Ug/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3	85.76 43.66 20.52 35.26 25.27 17.28 0.458 BLQ (LOQ-0.52)	(NAAQS) 100 max 60 max 80 max 80 max 400 max 100 max 4 max 5 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-2) : 2006 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006
<ol> <li>Sampling flow rate (Avg.)</li> <li>Total volume of air sampled</li> <li>1728.00</li> <li>Period of sampling</li> <li>24 Hrs</li> </ol> S.N. Test Parameters Discipline - Chemical, Group - Atmospheric Pollution Particulate Matter (PM10) Particulate Matter (PM10) Particulate Matter (PM2.5) Sulphur Dioxide (SO2) Nitrogen Dioxide (NO2) Ammonia (NH3) Ozone (O3) Carbon Monoxide (CO) Benzo - Pyrene (BaP) 1 1.20 m3 1 1.20 m3 1 1728.00 2 24 Hrs 2 3 24 Hrs 2 4 Hrs 2 4 Hrs 2 4 Hrs 3 5 10 10 10 10 10 10 10 10 10 10 10 10 10	Units Units Units Units Units Units Ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3 ug/m3	85.76 43.66 20.52 35.26 25.27 17.28 0.458 BLQ (LOQ-0.52) BLQ (LOQ-0.1)	(NAAQS) 100 max 60 max 80 max 80 max 400 max 100 max 4 max 5 max 1 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-6) : 2018 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006 IS 5182 (Part-12) : 2004
<ol> <li>Sampling flow rate (Avg.)</li> <li>Total volume of air sampled</li> <li>1728.00</li> <li>Period of sampling</li> <li>24 Hrs</li> <li>S.N. Test Parameters</li> </ol> Discipline - Chemical, Group - Atmospheric Pollution <ol> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> </ol>	Units Units Units Units Units Ug/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3 µg/ m3	85.76 43.66 20.52 35.26 25.27 17.28 0.458 BLQ (LOQ-0.52)	(NAAQS) 100 max 60 max 80 max 80 max 400 max 100 max 4 max 5 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-2) : 2006 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006

\*\*\*End of Report\*\*\*

Remarks : Standard limits are as per CPCB notification Nov. 2009 BLQ : Below limit of Quantification / LOQ : Limit of Quantification

> 001 Review by

Md. Ad Sr. Manager (Env.)

Page No.: 1 of 1



# Haryana Test House

#### & Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



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#### **TEST REPORT**

: 29/06/2023 (10:00 Hrs) to 30/06/2023 (10:00 Hrs)

: RDS Model APM- 860 (Sr. No. 230 DTK 2016)

Issued To:

Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103

Report No.	d,	HTH/EP/230630004
ULR No.	:	TC781123100004575F
Party's Ref No.	:	Nil
Booking Date		30/06/2023
Period of Testing		30/06/2023To 06/07/2023
Reporting Date	:	06/07/2023

#### Sample Description : Ambient Air Quality Monitoring

Type of Industry Date & time of sampling

- Sample Location
- Instrument used
- Instrument Calibration Status Purpose of analysis

Sample collected/ supplied by

- A. Observations:
- 1. Sampling flow rate (Avg.)
- 2. Total volume of air sampled
- 3. Period of sampling
- : 1.27 m3/min : 1821.60 m3

: Paint Industry

: Near Smartchem Gate

: Calibrated (upto 29.03.2024)

: By our Lab. Representative

: 24 Hrs

: Monitoring

S.N. Test Parame	ters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemi	cal, Group - Atmospheric Pollu	tion			
1 Particulate M		µg/ m3	87.40	100 max	IS 5182 (Part-23) : 2006
	atter (PM 2.5)	μg/ m3	45.74	60 max	IS 5182 (Part-24) : 2019
Sulphur Dioxi		μg/ m3	18.67	80 max	IS 5182 (Part-2) : 2001
Nitrogen Diox	Contraction of the second s	μg/ m3	39.34	80 max	IS 5182 (Part-6) : 2006
Ammonia (NH	3)	μg/ m3	27.23	400 max	IS 5182 (Part-25) : 2018
Ozone (O3)		μg/ m3	22.96	100 max	IS 5182 (Part-9) : 1974
Carbon Mono	xide (CO)	mg/ m3	0.344	4 max	IS 5182 (Part-10) : 1999
Benzene (C6H	6)	, μg/ m3	BLQ(LOQ:0.52)	5 max	IS 5182 (Part-11) : 2006
Benzo - Pyrer	ie (BaP)	ng/ m3	BLQ(LOQ:0.1)	1 max	IS 5182 (Part-12) : 2004
0 Lead (Pb)		μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
1 Nickel (Ni)		ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
2 Arsenic (As)	The second second	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

\*\*\*End of Report\*\*\*

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

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Note :



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& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



## An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

### **TEST REPORT**

Issued To:	Report No.	: HTH/EP/230729028
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100005385F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Party's Ref No.	: Nil
	Booking Date Period of Testing	: 29/07/2023 : 29/07/2023To 04/08/2023
and a set of a	Reporting Date	: 04/08/2023

Sample Description : Ambient Air Quality Monitoring

Frank of the developer				1 1 1 1 S	Service and the service se
Type of Industry	: Integrated Pain		acturing Unit to 29/07/2023 (10	and the set of	
Date & time of sampling					
ample Location					
nstrument used			(Sr. No. 2305 DTE	3 2018)	
nstrument Calibration Status	: Calibrated (upto	24.12.2	023)		
Purpose of analysis	: Monitoring				
ample collected/ supplied by	: By our Lab. Rep	resentati	ve		
A. Observations:					
L. Sampling flow rate (Avg.)	: 1.20 m3/min				
2. Total volume of air sampled	: 1720.80 m3				
3. Period of sampling	: 24 Hrs				
S.N. Test Parameters	E Z	Units	Result	Standard Limits (NAAQS)	Test Method
				Service and the service of the servi	
Discipline - Chemical, Group - Atmospher	ric Pollution				1 5 1 3 1
		g/ m3	87.11	100 max	IS 5182 (Part-23) : 2006
1 Particulate Matter (PM10)	щ	g/ m3 g/ m3	87.11 44.08	100 max 60 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019
Particulate Matter (PM10) Particulate Matter (PM 2.5)	щ			States and a state of the state	
Particulate Matter (PM10) Particulate Matter (PM 2.5) Sulphur Dioxide (SO2)	ж ж	g/ m3	44.08	60 max	IS 5182 (Part-24) : 2019
<ul> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> </ul>	н н н н	g/ m3 g/ m3	44.08 16.63	60 max 80 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001
<ol> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> </ol>		g/ m3 g/ m3 g/ m3	44.08 16.63 36.85	60 max 80 max 80 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006
<ul> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> </ul>		g/ m3 g/ m3 g/ m3 g/ m3	44.08 16.63 36.85 25.66	60 max 80 max 80 max 400 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018
<ul> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> </ul>		g/ m3 g/ m3 g/ m3 g/ m3 g/ m3	44.08 16.63 36.85 25.66 20.58	60 max 80 max 80 max 400 max 100 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-25) : 1974
<ul> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> </ul>		g/ m3 g/ m3 g/ m3 g/ m3 g/ m3 ng/ m3	44.08 16.63 36.85 25.66 20.58 0.573	60 max 80 max 80 max 400 max 100 max 4 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-25) : 1974 IS 5182 (Part-9) : 1999
<ul> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> <li>Benzo - Pyrene (BaP)</li> </ul>		g/ m3 g/ m3 g/ m3 g/ m3 g/ m3 ng/ m3 ng/ m3	44.08 16.63 36.85 25.66 20.58 0.573 BLQ (LOQ-0.52)	60 max 80 max 80 max 400 max 100 max 4 max 5 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-25) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006
<ol> <li>Particulate Matter (PM10)</li> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> <li>Benzo - Pyrene (BaP)</li> </ol>		g/ m3 g/ m3 g/ m3 g/ m3 g/ m3 ng/ m3 g/ m3 g/ m3	44.08 16.63 36.85 25.66 20.58 0.573 BLQ (LOQ-0.52) BLQ (LOQ-0.1)	60 max 80 max 80 max 400 max 100 max 4 max 5 max 1 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-25) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006 IS 5182 (Part-12) : 2004

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Review by

Note: 1.

5.

Md. Asfak Ansari Sr. Manager (Env.)

Page No.: 1 of 1

 Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
 2. The result

 This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
 3. The result

 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample

 The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any result.
 1. The details received from customer on its own responsibility.

 The results contained in this test report pertains only to the sample tested not for the whole lot.
 Total liability of Haryana Test House is limited to the invoiced amount only.
 Sample not drawn by HTH unless otherwise specified. taken any responsibility whatsoever.



& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



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#### TEST REPORT

Issued To:	Report No.	' HTH/ED/220216005
Grasim Industries Limited (Birla Paints Division),	ULR No.	: HTH/EP/230816005 : TC781123100005842F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Party's Ref No.	; Nil
and a second and a second and a second	Booking Date	: 16/08/2023
and a few parts and a set of the parts and a set of the	Period of Testing	: 16/08/2023To 21/08/2023

13/08/2023 (10:00 Hrs) to 14/08/2023 (10:00 Hrs)

RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)

: Integrated Paint Manufacturing Unit

Near Smartchem Gate

Calibrated (upto 24.12.2023)

: By our Lab. Representative

Reporting Date : 21/08/2023

Sample Description : Ambient Air Quality Monitoring

:

: Monitoring

: 1.20 m3/min

1728.00 m3

: 24 Hrs

Type of Industry Date & time of sampling Sample Location

Sample Location

Instrument used

Instrument Calibration Status

Purpose of analysis

- Sample collected/ supplied by
- A. Observations:
- 1. Sampling flow rate (Avg.)
- 2. Total volume of air sampled
- 3. Period of sampling
- S.N. Test Parameters Units Result **Standard Limits** Test Method (NAAOS) Discipline - Chemical, Group - Atmospheric Pollution Particulate Matter (PM10) 1 86.75  $\mu g/m3$ 100 max IS 5182 (Part-23): 2006 2 Particulate Matter (PM 2.5) 45.33 µg/ m3 60 max IS 5182 (Part-24) : 2019 3 Sulphur Dioxide (SO2) 21.88 µg/ m3 80 max IS 5182 (Part-2): 2001 4 Nitrogen Dioxide (NO2) 37.93 µg/ m3 80 max IS 5182 (Part-6) : 2006 5 Ammonia (NH3) µg/ m3 25.28 400 max IS 5182 (Part-25) : 2018 6 Ozone (03) µg/ m3 18.54 100 max IS 5182 (Part-9) : 1974 Carbon Monoxide (CO) mg/m3 7 0.687 4 max IS 5182 (Part-10) : 1999 8 Benzene (C6H6) µg/ m3 BLQ (LOQ-0.52) 5 max IS 5182 (Part-11) : 2006 9 Benzo - Pyrene (BaP) ng/m3 BLQ (LOQ-0.1) 1 max IS 5182 (Part-12) : 2004 Lead (Pb) 10 µg/ m3 BLQ (LOQ-0.02) IS 5182 (Part-22) : 2004 1 max Nickel (Ni) 11 ng/m3 BLQ (LOQ:2) 20 max HTH/QF/7.2/2/ICP-01 SOP No 17 12 Arsenic (As) ng/m3 BLQ (LOQ:1) 6 max HTH/QF/7.2/2/ICP-01 SOP No 17 \*\*End of Report\*\*\*

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

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Page No.: 1 of 1

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& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

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### TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. ULR No. Party's Ref No.	: HTH/EP/230826001 : TC781123100006071F : Nil
	Booking Date Period of Testing Reporting Date	: 26/08/2023 : 26/08/2023To 01/09/2023 : 01/09/2023

#### Ambient Air Quality Monitoring

Type of Industry Date & time of sampling Sample Location Instrument used

: Paint Industry : 25/08/2023 (10:00 Hrs) to 26/08/2023 (10:00 Hrs)

- : Near Transformer Area
- : RDS Model APM- 860 (Sr. No. 230 DTK 2016)
- Instrument Calibration Status : Calibrated (upto 29.03.2024)

: Monitoring : By our Lab. Representative

- Sample collected/ supplied by
- A. Observations:

Purpose of analysis

- 1. Sampling flow rate (Avg.)
- 2. Total volume of air sampled
- 3. Period of sampling
- : 1.20 m3/min : 1720.80 m3
- : 24 Hrs

S.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Disc	ipline - Chemical, Group - Atmospheric Pollution	and all	West of the St	Je La part of	and a second second second second
1	Particulate Matter (PM10)	μg/ m3	92.92	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	μg/ m3	49.48	60 max	IS 5182 (Part-24) : 2019
1.5	Sulphur Dioxide (SO2)	μg/ m3	21.88	80 max	IS 5182 (Part-2) : 2001
F.	Nitrogen Dioxide (NO2)	μg/ m3	39.51	80 max	IS 5182 (Part-6) : 2006
	Ammonia (NH3)	μg/ m3	26.21	400 max	IS 5182 (Part-25) : 2018
	Ozone (O3)	μg/ m3	19.09	100 max	IS 5182 (Part-9) : 1974
	Carbon Monoxide (CO)	mg/ m3	0.573	4 max	IS 5182 (Part-10) : 1999
	Benzene (C6H6)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
	Benzo - Pyrene (BaP)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
0	Lead (Pb)	μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
1	Nickel (Ni)	ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
2	Arsenic (As)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

0 Review by

Md. Asfak nsar Sr. Manager (Env.)

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 2. The results contained

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 4. Total liability of Haryai

 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by

 The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility wh

The results contained in this test report pertains only to the sample tested not for the whole lot. Total liability of Haryana Test House is limited to the invoiced amount only. Sample not drawn by HTH unless otherwise specified. tsoever



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50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

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#### TEST REPORT

Issued To:	Report No.	: HTH/EP/230805001
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100005607F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Party's Ref No.	: Nil
and a second second and a second s	Booking Date	: 05/08/2023
1	Period of Testing	: 05/08/2023To 11/08/2023
المحمو المحمد المحمد المحمد المحمد المحمد المحمد تتحمد المحمد المحمد المحمد المحمد	Reporting Date	: 11/08/2023

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry				
Date & time of sampling : 04/08/2023 (10:00 Hrs) to 05/08/2023 (10:00 Hrs)					
ample Location : Near Transformer Area					
trument used new RDS Model APM- 860 (Sr. No. 230 DTK 2016)					
Instrument Calibration Status : Calibrated (upto 29.03.2024)					
Purpose of analysis	: Monitoring				
Sample collected/ supplied by	: By our Lab. Repres	entative			
A. Observations:					
1. Sampling flow rate (Avg.)	: 1.22 m3/min				
2. Total volume of air sampled	: 1749.60 m3				
3. Period of sampling	: 24 Hrs				
a la ser a ser a ser a ser a	and the second	and Constants of		the set we all a set	
S.N. Test Parameters	Uni	ts Result	Standard Limits (NAAQS)	Test Method	
Discipline - Chemical, Group - Atmosph	eric Pollution			131131	
1 Particulate Matter (PM10)	μg/ 1	m3 91.39	100 max	IS 5182 (Part-23) : 2006	
and the second	μg/ 1 μg/ 1		100 max 60 max	IS 5182 (Part-23) : 2006 IS 5182 (Part-24) : 2019	
2 Particulate Matter (PM 2.5)	15° 16' 10' 10' 10' 10' 10' 10' 10' 10' 10' 10	m3 49.48			
2 Particulate Matter (PM 2.5) 3 Sulphur Dioxide (SO2)	μg/ I	m3 49.48 m3 19.82	60 max	IS 5182 (Part-24) : 2019	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> </ol>	μg/ μg/	m3 49.48 m3 19.82 m3 40.96	60 max 80 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> </ol>	нв/ 1 нв/ 1 нв/ 1 нв/ 1	m3 49.48 m3 19.82 m3 40.96 m3 25.27	60 max 80 max 80 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> </ol>	нв/ µg/ µg/ µg/	m3 49.48 m3 19.82 m3 40.96 m3 25.27 m3 19.79	60 max 80 max 80 max 400 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> </ol>	нв/ нв/ нв/ нв/ нв/ нв/	m3     49.48       m3     19.82       m3     40.96       m3     25.27       m3     19.79       m3     0.458	60 max 80 max 80 max 400 max 100 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> </ol>	нд/ нд/ нд/ нд/ нд/ нд/ тд/ тд/ тд/	m3     49.48       m3     19.82       m3     40.96       m3     25.27       m3     19.79       m3     0.458       m3     BLQ (LOQ-0.52)	60 max 80 max 80 max 400 max 100 max 4 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-6) : 2018 IS 5182 (Part-25) : 1974 IS 5182 (Part-10) : 1999	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> </ol>	нд/ нд/ нд/ нд/ нд/ нд/ тд/ тд/ нд/	m3         49.48           m3         19.82           m3         40.96           m3         25.27           m3         19.79           m3         0.458           m3         BLQ (LOQ-0.52)           m3         BLQ (LOQ-0.1)	60 max 80 max 80 max 400 max 100 max 4 max 5 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-25) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006	
<ol> <li>Particulate Matter (PM 2.5)</li> <li>Sulphur Dioxide (SO2)</li> <li>Nitrogen Dioxide (NO2)</li> <li>Ammonia (NH3)</li> <li>Ozone (O3)</li> <li>Carbon Monoxide (CO)</li> <li>Benzene (C6H6)</li> <li>Benzo - Pyrene (BaP)</li> </ol>	нд/ нд/ нд/ нд/ нд/ тд/ тд/ пд/	m3         49.48           m3         19.82           m3         40.96           m3         25.27           m3         19.79           m3         0.458           m3         BLQ (LOQ-0.52)           m3         BLQ (LOQ-0.1)           m3         BLQ (LOQ-0.02)	60 max 80 max 80 max 400 max 100 max 4 max 5 max 1 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006 IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974 IS 5182 (Part-10) : 1999 IS 5182 (Part-11) : 2006 IS 5182 (Part-12) : 2004	

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

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Note

Md. Asfak Ansari Sr. Manager (Env.)

Page No.: 1 of 1

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 5. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sam

 7. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any
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50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)



Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

#### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

### **TEST REPORT**

	· · · · · · · · · · · · · · · · · · ·		
Issued To:	Report No.	: HTH/EP/230912010	1
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100006421F	
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Party's Ref No.	: Nil	ļ
	Booking Date	: 12/09/2023	
	Period of Testing	: 12/09/2023To 18/09/2023	
	Reporting Date	: 18/09/2023	

Sample Description : Ambient Air Quality Monitoring

Type of Industry :	Paint Industry
Date & time of sampling :	08/09/2023 (10:00 Hrs) to 09/09/2023 (10:00 Hrs)
Jampie Location	Near L&T Site
Instrument used :	RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)
Instrument Calibration Status :	Calibrated (upto 24.12.2023)
Purpose of analysis :	Monitoring
Sample collected/ supplied by :	By our Lab. Representative
A. Observations:	
1. Sampling flow rate (Avg.) :	1.18 m3/min
2. Total volume of air sampled :	1699.20 m3
	24 Hrs

S.N. Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution		÷.		
1 Particulate Matter (PM10)	μg/ m3	91.93	100 max	IS 5182 (Part-23) : 2006
2 Particulate Matter (PM 2.5)	μg/ m3	49.90	60 max	IS 5182 (Part-24) : 2019
3 Sulphur Dioxide (SO2)	μg/ m3	21.55	80 max	IS 5182 (Part-2) : 2001
	μg/ m3	42.42	80 max	IS 5182 (Part-6) : 2006
	μg/ m3	25.14	400 max	IS 5182 (Part-25) : 2018
	μg/ m3	16.78	100 max	IS 5182 (Part-9) : 1974
5 Ozone (O3)	mg/ m3	0.458	4 max	IS 5182 (Part-10) : 1999
7 Carbon Monoxide (CO)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
8 Benzene (C6H6)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
9 Benzo - Pyrene (BaP)	μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
10 Lead (Pb)	ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
11 Nickel (Ni)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12 Arsenic (As)		***End of Report*		

Remarks : Standard limits are as per CPCB notification Nov. 2009

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### **TEST REPORT**

Issued To:	Report No.	: HTH/EP/230918003 : TC781123100006609F
Grasim Industries Limited (Birla Paints Division),	ULR No.	• 10/811231000000031
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Party's Ref No.	: Nil
	Booking Date	: 18/09/2023
		: 18/09/2023To 23/09/2023
	Reporting Date	: 23/09/2023

Type of Industry	: Paint Industry	
Date & time of sampling	: 15/09/2023 (10:00 Hrs) to 16/09/2023 (10:00 Hrs)	
Sample Location	: Near Transformer Area	
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)	21. 2
Instrument Calibration Status	: Calibrated (upto 24.12.2023)	
Purpose of analysis	: Monitoring	
Sample collected/ supplied by	: By our Lab. Representative	
A. Observations:		
1. Sampling flow rate (Avg.)	: 1.19 m3/min	
2. Total volume of air sampled	: 1713.60 m3	
3. Period of sampling	: 24 Hrs	

Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
pline - Chemical, Group - Atmospheric Pollution				
	μg/ m3	87.48	100 max	IS 5182 (Part-23) : 2006
		46.57	60 max	IS 5182 (Part-24) : 2019
		16.12	80 max	IS 5182 (Part-2) : 2001
•		31.65	80 max	IS 5182 (Part-6) : 2006
			400 max	IS 5182 (Part-25) : 2018
			100 max	IS 5182 (Part-9) : 1974
		24443	4 max	IS 5182 (Part-10) : 1999
		1000000		IS 5182 (Part-11) : 2006
Benzene (C6H6)	3 · 17 · 1			IS 5182 (Part-12) : 2004
Benzo - Pyrene (BaP)	2700	and the second		IS 5182 (Part-22) : 2004
Lead (Pb)				HTH/QF/7.2/2/ICP-01 SOP No 17
Nickel (Ni)				HTH/QF/7.2/2/ICP-01 SOP No 17
Arsenic (As)	ng/ m3			HTH/QF/7.2/2/ICP-01 SOP NO 17
	pline - Chemical, Group - Atmospheric Pollution Particulate Matter (PM10) Particulate Matter (PM 2.5) Sulphur Dioxide (SO2) Nitrogen Dioxide (NO2) Ammonia (NH3) Ozone (O3) Carbon Monoxide (CO) Benzene (C6H6) Benzo - Pyrene (BaP) Lead (Pb) Nickel (Ni)	pline - Chemical, Group - Atmospheric Pollution Particulate Matter (PM10) µg/ m3 Particulate Matter (PM 2.5) µg/ m3 Sulphur Dioxide (SO2) µg/ m3 Nitrogen Dioxide (NO2) µg/ m3 Ammonia (NH3) µg/ m3 Ozone (O3) µg/ m3 Carbon Monoxide (CO) mg/ m3 Benzene (C6H6) µg/ m3 Lead (Pb) µg/ m3 Nickel (Ni) ng/ m3 Arsenic (As) ng/ m3	Test Parametersµg/ m387.48Particulate Matter (PM10)µg/ m387.48Particulate Matter (PM 2.5)µg/ m346.57Sulphur Dioxide (SO2)µg/ m316.12Nitrogen Dioxide (NO2)µg/ m331.65Ammonia (NH3)µg/ m333.86Ozone (O3)µg/ m317.21Carbon Monoxide (CO)mg/ m30.573Benzene (C6H6)µg/ m3BLQ (LOQ-0.52)Benzo - Pyrene (BaP)µg/ m3BLQ (LOQ-0.1)Lead (Pb)µg/ m3BLQ (LOQ-0.02)Nickel (Ni)ng/ m3BLQ (LOQ:2)Arsenic (As)ng/ m3BLQ (LOQ:1)	Test ParametersUnitsItest inPline - Chemical, Group - Atmospheric Pollutionµg/ m387.48100 maxParticulate Matter (PM10)µg/ m346.5760 maxParticulate Matter (PM 2.5)µg/ m316.1280 maxSulphur Dioxide (SO2)µg/ m331.6580 maxNitrogen Dioxide (NO2)µg/ m331.6580 maxAmmonia (NH3)µg/ m333.86400 maxOzone (O3)µg/ m317.21100 maxCarbon Monoxide (CO)mg/ m30.5734 maxBenzene (C6H6)µg/ m3BLQ (LOQ-0.52)5 maxBenzo - Pyrene (BaP)ng/ m3BLQ (LOQ-0.02)1 maxLead (Pb)µg/ m3BLQ (LOQ-0.22)20 maxNickel (Ni)ng/ m3BLQ (LOQ-21)f max

\*\*\*End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification



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The results contained in this test report pertains only to the sample tested not for the whole lot

Total liability of Haryana Test House is limited to the invoced amount only. Sample not drawn by HTH unless otherwise specified.



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#### **TEST REPORT**

Issued To:	Report No.	: HTH/EP/230922032	i
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100006711F	ł
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Party's Ref No.	: Nil	
	Booking Date	: 22/09/2023	
	Period of Testing	22/09/2023To 28/09/2023	
	Reporting Date	: 28/09/2023	1

Sample Description : Ambient Air Quality Monitoring

Type of Industry	: Paint Industry	
Date & time of sampling	: 21/09/2023 (10:00 Hrs) to 22/09/2023 (10:00 Hrs)	
Sample Location	: Near Smartchem Gate	
Instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)	i
Instrument Calibration Status	: Calibrated (upto 24.12.2023)	
Purpose of analysis	: Monitoring	142
Sample collected/ supplied by	: By our Lab. Representative	•
A. Observations:		
1. Sampling flow rate (Avg.)	: 1.16 m3/min	1
2. Total volume of air sampled	: 1670.40 m3	
3. Period of sampling	: 24 Hrs	

e - Chemical, Group - Atmospheric Pollution iculate Matter (PM10) iculate Matter (PM 2.5) hur Dioxide (SO2)	μg/ m3 μg/ m3	93.93	100 max	IS 5182 (Part-23) : 2006
iculate Matter (PM 2.5)			100 max	IS 5182 (Part-23) : 2006
iculate Matter (PM 2.5)	μg/ m3			<ul> <li>An example of the second se Second second secon second second sec</li></ul>
		51.15	60 max	IS 5182 (Part-24) : 2019
	μg/ m3	20.06	80 max	IS 5182 (Part-2) : 2001
		40.40	80 max	IS 5182 (Part-6) : 2006
•		25.23	400 max	IS 5182 (Part-25) : 2018
		19.78	100 max	IS 5182 (Part-9) : 1974
	and the second se	0.458	4 max	IS 5182 (Part-10) : 1999
	-	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
		BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
		2	1 max	IS 5182 (Part-22) : 2004
State - Carlos - Carl		RECEIVER CONTRACTOR STREET, STREET, ST	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
No. 1111001047		BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17
	gen Dioxide (NO2) nonia (NH3) ne (O3) on Monoxide (CO) ene (C6H6) o - Pyrene (BaP) (Pb) el (Ni) nic (As)	gen Dioxide (NO2)         μg/ m3           nonia (NH3)         μg/ m3           ne (O3)         μg/ m3           on Monoxide (CO)         mg/ m3           ene (C6H6)         μg/ m3           o - Pyrene (BaP)         ng/ m3           (Pb)         μg/ m3           el (Ni)         ng/ m3           nic (As)         ng/ m3	gen Dioxide (NO2)         µg/m3         40.40           nonia (NH3)         µg/m3         25.23           ne (O3)         µg/m3         19.78           on Monoxide (CO)         mg/m3         0.458           ene (C6H6)         µg/m3         BLQ (LOQ-0.52)           o - Pyrene (BaP)         ng/m3         BLQ (LOQ-0.1)           (Pb)         µg/m3         BLQ (LOQ-0.02)           el (Ni)         ng/m3         BLQ (LOQ-0.02)	μg/ m3         40.40         80 max           μonia (NH3)         μg/ m3         25.23         400 max           μg/ m3         19.78         100 max           on Monoxide (CO)         mg/ m3         0.458         4 max           ene (C6H6)         μg/ m3         BLQ (LOQ-0.52)         5 max           o - Pyrene (BaP)         ng/ m3         BLQ (LOQ-0.1)         1 max           (Pb)         μg/ m3         BLQ (LOQ-0.02)         1 max           el (Ni)         ng/ m3         BLQ (LOQ-2.2)         20 max           nic (As)         ng/ m3         BLQ (LOQ:1)         6 max

\*End of Report

Remarks : Standard limits are as per CPCB notification Nov. 2009

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Note: 1. 5.

**Basudev** Singh T. M. (Chemical)

Page No.: 1 of 1



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2. The results contained in this test report pertains only to the sample tested not for the whole lot 4. Total liability of Haryana Test House is limited to the invoiced amount only.



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#### **TEST REPORT**

Issued To:	Report No.	: HTH/EP/230928044
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100006967F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	Party's Ref No.	: Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 28/09/2023 : 28/09/2023To 06/10/2023 : 06/10/2023

	dard Limit 1	Test Method
A Observations: 140.01. Stack gas temperature, °C: 140.02. Temperature at Metering point, °C: 36.03. Avg. stack gas velocity, m/sec: 8.364. Sampling flow rate, Lt./min.: 26.05. Period of sampling, Minutes: 30.06. Volumetric flow rate, Nm3/ Hr: 95.16		
Sample Description: Stack Emission (DG No. 1, 62.5 KVA)Type of Industry: Paint IndustryName of Plant/ Section: DG SectionDate of sampling: 28/09/2023Capacity of DG: 62.5 KVA (DG No. 1)Source of Emission: Stack Attached to DGInstrument used: Stack Sampler VSS1 (Sr.No. 247 DTK 2019)Instrument Calibration Status: Calibrated (upto 26.12.2023)Type of stack: MetalType of Fuel used: HSDStack diameter (at the sampling point): 3 inchSample Location: As Per Standard NormsPurpose of sampling: MonitoringSample collected by: By our Lab. Representative		2

S.N. Test Parameters	Units	Result	Standard	
Discipline: Chemical, Group: Atmospheric Pollution	,	0.11	0.30 Max	IS 11255 (Part-I) : 1985
1 Particulate Matter (PM)	gm/kwh gm/kwh	0.58		HTH/QF/7.2/2/CH-02, SOP No-23
2 Nitrogen Dioxide (NOx)	gm/kwh	0.55	3.50 Max	HTH/QF/7.2/2/CH-02, SOP No-23 IS 11255 : Part 15 : 2019
	gm/kwh	0.03		By Calculation
<ul> <li>Total Hydrocarbon (NC)</li> <li>Nitrogen Dioxide + Total Hydrocarbon (NOx + HC)</li> </ul>	gm/kwh	0.61		
<ol> <li>Nitrogen Dioxide (NOX)</li> <li>Carbon Monoxide (CO)</li> <li>Total Hydrocarbon (HC)</li> <li>Nitrogen Dioxide + Total Hydrocarbon (NOx + HC)</li> </ol>	gm/kwh gm/kwh	0.03	4.7 Max	IS 11255 : Pa

06 **Basudev Singh** T. M. (Chemical)

Page No.: 1 of 1

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Note: 1. 5.

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 2. The results contained in this test

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 3. Total liability of Haryana Test H

 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unle

 The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.
 1. Total liability of Haryana Test H

The results contained in this test report pertains only to the sample tested not for the whole lot.
 Total liability of Haryana Test House is limited to the invoiced amount only.
 Sample not drawn by HTH unless otherwise specified.





#### 50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

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#### **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	ULR No.	: HTH/EP/230928045 : TC781123100006968F : Nil
	Booking Date Period of Testing Reporting Date	: 28/09/2023 : 28/09/2023To 06/10/2023 : 06/10/2023
Stack Emission (DG No. 2, 6	62.5 KVA)	

S.N. Test Parameters		Units	nesure			
B Results		Unite	Result	Standard Limit	Test Method	
<ol><li>Volumetric flow rate, Nm3/ Hr</li></ol>	: 99.23					
5. Period of sampling, Minutes	: 30.0					
<ol><li>Sampling flow rate, Lt./min.</li></ol>	: 27.0					
<ol><li>Avg. stack gas velocity, m/sec</li></ol>	: 8.38					
<ol> <li>Temperature at Metering point, <sup>o</sup>C</li> </ol>	: 36.0					
A Observations 1. Stack gas temperature, <sup>Q</sup> C	: 124.0					
Sample collected by	: By our Lab. I	Representative				10
Purpose of sampling	: Monitoring					1
Sample Location	: As Per Stand	lard Norms				a france
itack diameter (at the sampling point)	: 3 inch					
tack height (from the ground level)	: 6 feet					a disease
vpe of Fuel used	: HSD					
ype of stack	: Metal					
nstrument Calibration Status	: Calibrated (u	pto 26.12.202	3)			
strument used			247 DTK 2019)			
ource of Emission	: Stack Attache	ed to DG				ł
apacity of DG	: 62.5 KVA (DG	5 No. 2)				1
ate of sampling	: 28/09/2023					
ame of Plant/ Section	: DG Section	đo.				
pe of Industry	: Paint Industry			•		4
ample Description	: Stack Emissio	n (DG No. 2, 6	2.5 KVAJ			100

S.N. Test Parameters	Units	Result	Standard Linit	
Discipline: Chemical, Group: Atmospheric	Pollution		0.30 Max	IS 11255 (Part-I) : 1985
1 Particulate Matter (PM)	gm/kwh	0.09		HTH/QF/7.2/2/CH-02, SOP No-23
2 Nitrogen Dioxide (NOx)	gm/kwh	0.59		HTH/QF/7.2/2/CH-02, SOP No-23
	gm/kwh	0.20	3.50 Max	IS 11255 : Part 15 : 2019
3 Carbon Monoxide (CO)	gm/kwh	0.03		
4 Total Hydrocarbon (HC)		0.62	4.7 Max	By Calculation
5 Nitrogen Dioxide + Total Hydrocarbon		**End of Report	t***	

6 F **Basudev** Singh

T. M. (Chemical)

Page No.: 1 of 1

Review by

Note

5.







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#### **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipa	Report No.         : HTH/EP/230928046           ULR No.         : TC781123100006969F           Party's Ref No.         : Nil	-
(HR) 132103	Booking Date         : 28/09/2023           Period of Testing         : 28/09/2023To 06/10/2023           Reporting Date         : 06/10/2023	

-	Test Parameters	Units	Result		
(Georgeoto)	cipline: Chemical, Group: Atmospheric Pollution			0.20 14-14	IS 11255 (Part-I) : 1985
· · · · · · · · · · · · · · · · · · ·	Particulate Matter (PM)	gm/kwh	0.13	0.30 Max	HTH/QF/7.2/2/CH-02, SOP No-23
		gm/kwh	0.62		HTH/QF/7.2/2/CH 02/CO
2	Nitrogen Dioxide (NOx)	gm/kwh	0.24	3.50 Max	HTH/QF/7.2/2/CH-02, SOP No-23
3	Carbon Monoxide (CO)		0.03		IS 11255 : Part 15 : 2019
4	Total Hydrocarbon (HC)	gm/kwh gm/kwh	0.65	4.7 Max	By Calculation
5	Nitrogen Dioxide + Total Hydrocarbon (NOx + HC)		*End of Report*	**	

2023 16 6 Basudev Singh

Page No.: 1 of 1



Note: 1

5. 7.



T. M. (Chemical)


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### **TEST REPORT**

Plot No. 48, 62, 1510C, maddenar 2	Report No. ULR No. Party's Ref No.	: HTH/EP/230930005 : TC781123100006998F : Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 30/09/2023 : 30/09/2023To 07/10/2023 : 07/10/2023

<ol> <li>Total volume of air sampled</li> <li>Period of sampling</li> </ol>	: 1756.80 m3 : 24 Hrs Units Result Standard Limits	Test Method
A. Observations: 1. Sampling flow rate (Avg.)	: 1.22 m3/min	
Type of Industry Date & time of sampling Sample Location Instrument used Instrument Calibration Status Purpose of analysis Sample collected/ supplied by	<ul> <li>Paint Industry</li> <li>29/09/2023 (10:00 Hrs) to 30/09/2023 (10:00 Hrs)</li> <li>Near Power House</li> <li>RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)</li> <li>Calibrated (upto 24.12.2023)</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul>	

s.N.	Test Parameters	•		(NAAQS)	
	ipline - Chemical, Group - Atmospheric Pollution	μg/ m3	89.14	100 max	IS 5182 (Part-23) : 2006
	Particulate Matter (PM10)	μg/ m3	46.57	60 max	IS 5182 (Part-24) : 2019
	Particulate Matter (PM 2.5)	μg/ m3	17.04	80 max	IS 5182 (Part-2) : 2001
3	Sulphur Dioxide (SO2)	μg/ m3	37.01	80 max	IS 5182 (Part-6) : 2006
4	Nitrogen Dioxide (NO2)	μg/ m3	23.29	400 max	IS 5182 (Part-25) : 2018 IS 5182 (Part-9) : 1974
5	Ammonia (NH3)	μg/ m3	22.53	100 max	IS 5182 (Part-5) : 1999
6	Ozone (O3)	mg/ m3	0.687	4 max	IS 5182 (Part-11) : 2006
7	Carbon Monoxide (CO)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-12) : 2004
8	Benzene (C6H6)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-22) : 2004
9	Benzo - Pyrene (BaP)	μg/ m3	BLQ (LOQ-0.02)	1 max	HTH/QF/7.2/2/ICP-01 SOP No 1
10	Lead (Pb)	ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 1
11	Nickel (Ni)	ng/ m3	BLQ (LOQ:1)	6 max	
12	Arsenic (As)		***End of Report***		

Remarks: Standard limits are as per CPCB notification Nov. 2009 BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Review by

Note: 1.



Page No.: 1 of 1

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## **TEST REPORT**



Type 0	f Industry	: Paint In	dustry						
Sample nstrur nstrur Date o Purpo	e Location ment used ment Calibration Status if measurement se of analysis e collected/ supplied by	: Sound : Calibra : 29/09/ : Monito	oring Lab. Representat	2024)	)3)				
S.N.	Point of Measurement		i	11	III	IV	v	VI	
	line – Chemical, Group – Atmosphe	eric Pollution -	-					4 72.6	
1	Day time (06:00 AM to 10:00 PM)		70.2	69.4	72.6	71.9	73.4 64.		
2	Night time (10:00 PM to 06:00 AM	)	60.9	64.8	65.2	63.8	04.	/	
			TEST	<b>RESULTS</b>				· · · · · · ·	
			1	Noise	e Level (dB "A")			Standard Limits (d "A") (CPCB)	
S.N.	Point of Measurement		Lmin		Lmax	Leq			
			69.4		73.4	71.9		75 max	
1	Day time (06:00 AM to 10:00 PM)				65.2	64.1		70 max	

60.9

Remarks : Leq:- It is an energy mean of the noise level over a specified period

CPCB Standard as per Noise Pollution Rules, 2000

Night time (10:00 PM to 06:00 AM)

Review by



65.2

\*\*\*End of Report\*\*\*

57

2

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 2. The results contained in this test

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 3. Total liability of Haryana Test H

 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unle

 The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.
 1. Total liability of Haryana Test H

The results contained in this test report pertains only to the sample tested not for the whole lot. Total liability of Haryana Test House is limited to the invoiced amount only. Sample not drawn by HTH unless otherwise specified.

Page No.: 1 of 1





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### **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	ULR No.	: HTH/EP/230930007 : TC781123100006975F : Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 30/09/2023 : 30/09/2023To 07/10/2023 : 07/10/2023

Date of meas Purpose of a	tion sed alibration Status surement	: Sou : Sou : Cal : 29/ : Mo	nt Industry <b>Ith East Corner</b> Ind Level Meter (HTH ibrated (upto 29.03.2 /09/2023 Initoring our Lab. Representat <b>OBSEI</b>	2024)	)2)			
S.N. Point	of Measurement		1	<b>1</b> 1	111	IV	V	VI
Discipline – C	hemical, Group – Atmospheri	c Pollution	-	······································		T	72.6	70.9
1 Day tin	me (06:00 AM to 10:00 PM)		72.9	68.9	70.9	73.4		
	·		65.9	60.9	58.7	60.9	59.2	62.4

**TEST RESULTS** 

			Standard Limits (dB "A") (CPCB)		
S.N.	Point of Measurement	Lmin	Lmax	Leq	A ) (CPCD)
	(05.00 ANA + 10:00 PM)	68.9	73.4	71.9	75 max
	Day time (06:00 AM to 10:00 PM)         68.9           58.7         58.7		65.9	62.1	70 max
2	Night time (10:00 PM to 06:00 AM)		of Report***	Ļ	J

Remarks : Leq:- It is an energy mean of the noise level over a specified period CPCB Standard as per Noise Pollution Rules, 2000



Page No.: 1 of 1

Note: 1 3. 5. 7.

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 2. The results contained in this test

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 3. Total liability of Haryana Test H

 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not drawn by HTH unle

 The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever.
 1. Total liability of Haryana Test H







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## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103	Report No. ULR No. Party's Ref No. Booking Date Period of Testing Reporting Date	<ul> <li>HTH/EP/230930008</li> <li>TC781123100006976F</li> <li>Nil</li> <li>30/09/2023</li> <li>30/09/2023To 07/10/2023</li> <li>07/10/2023</li> </ul>
Sample Description : Noise Level Monitoring-Ambient Noise Type of Industry : Paint Industry		

C N	Point of Measurement		Lunio		Lmax	Leq		"A") (CPCB)
	· · · · · · · · · · · · · · · · · · ·		1		se Level (dB "A")			Standard Limits (d
2	Night time (10/02 Fill to 10/04		TEST	RESULTS				
	Night time (10:00 PM to 06:00 AM)		60.8	57.9	61.7	62.6	03.0	
1	Day time (06:00 AM to 10:00 PM)		70.8	71.2			63.8	62.7
Discip	oline – Chemical, Group – Atmospheri	c Pollution -	1	74.2	72.9	71.9	72.4	73.9
S.N.	Point of Measurement		ļ		,,			
				II	111	IV	V	VI
ampl	le collected/ supplied by	-)		<b>VATION</b>				
	se of analysis		ab. Representat	ive				
	of measurement	: Monitori						
		: 29/09/20						
	ment Calibration Status		d (upto 07.07.2					
	ment used	: Sound Le	vel Meter (HTH	/AP/12/SLM-0	01)			
mol	e Location	: North East						

S.N.	N. Point of Measurement	Lmin	Lmin Lmax		A /(c: co/
		70.8	73.9	72.3	75 max
	Day time (06:00 AM to 10:00 PM)	57.9	63.8	61.9	70 max
2	Night time (10:00 PM to 06:00 AM)		of Report***		

Remarks : Leq:- It is an energy mean of the noise level over a specified period CPCB Standard as per Noise Pollution Rules, 2000



Page No.: 1 of 1



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### TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	ULR No.	: HTH/EP/230930009 : TC781123100006994F : Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 30/09/2023 : 30/09/2023To 07/10/2023 : 07/10/2023

	· · · · · · · · · · · · · · · · · · ·				Illuminanc	e Level (lux)		
			TEST	RESULTS			4	
1	South West Corner	, , , ,	390	420	460	530	490	450
Disci	pline - Chemical, Group - Atmosph	eric Pollution -			1		490	450
S.N.	Point of Measurement		1				I,	
						IV	V	VI
Samp	le collected/ supplied by	. Dy (		RVATION				
	ose of analysis	•	our Lab. Representat	ive				
	of measurement	10 No.	nitoring					
			09/2023					
	iment Calibration Status		brated (upto 29.03.2					
• • • • • • • • • • • • • • • • • • • •	iment used	: Lux	Level Meter (HTH/A	P/13/LuxM-01	)			
- 545	le Location	: Sou	th West Corner					
Type (	of Industry	: Pair	nt Industry					

S.N.	Point of Measurement	Minimum	Maximum	Average
			530	457
1	South West Corner	390		
-	, , ,, , ,, , , , , , , , , , , , , , , , , , , ,	***End of Repo	rt***	

Remarks : At the time of measurement plant was under normal operation.



#### Page No.: 1 of 1



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## TEST REPORT

Issued To:	Report No.	: HTH/EP/230930010
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100006995F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	Party's Ref No.	: Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 30/09/2023 : 30/09/2023To 07/10/2023 : 07/10/2023

: Paint li	North East Corner						
: Calibra	Calibrated (upto 29.03.2024)						
: 28/09/	8/09/2023						
: Monit	: Monitoring						
: By our Lab. Representative							
	OBSE	RVATION					
	1	11	111	IV	v	VI	
heric Pollution -						r	
	210	390	420	430	320	310	
	: North : Lux Le : Calibra : 28/09/ : Monite	<ul> <li>North East Corner</li> <li>Lux Level Meter (HTH/A</li> <li>Calibrated (upto 29.03.2</li> <li>28/09/2023</li> <li>Monitoring</li> <li>By our Lab. Representat</li> </ul> OBSER	: North East Corner         : Lux Level Meter (HTH/AP/13/LuxM-01)         : Calibrated (upto 29.03.2024)         : 28/09/2023         : Monitoring         : By our Lab. Representative         OBSERVATION         I       II         heric Pollution -	: North East Corner         : Lux Level Meter (HTH/AP/13/LuxM-01)         : Calibrated (upto 29.03.2024)         : 28/09/2023         : Monitoring         : By our Lab. Representative         OBSERVATION         I       II         I       II	<ul> <li>North East Corner</li> <li>Lux Level Meter (HTH/AP/13/LuxM-01)</li> <li>Calibrated (upto 29.03.2024)</li> <li>28/09/2023</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul> OBSERVATION I II II III IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	<ul> <li>North East Corner</li> <li>Lux Level Meter (HTH/AP/13/LuxM-01)</li> <li>Calibrated (upto 29.03.2024)</li> <li>28/09/2023</li> <li>Monitoring</li> <li>By our Lab. Representative OBSERVATION <ul> <li>I</li> <li>II</li> <li>III</li> <li>IV</li> <li>V</li> </ul> </li> <li>heric Pollution -</li> </ul>	

	1		Illuminance Level (lux)	
S.N.	Point of Measurement	Minimum	Maximum	Average
1	North East Corner	210	430	347
<u> </u>	North East conter	***End of Repo	ort***	

Remarks : At the time of measurement plant was under normal operation.



Page No.: 1 of 1



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### **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Pai Plot No. 48, 62, HSIIDC, Industria (HR) 132103	nts Division), Il Estate, Refinery Road, Panipat	Report No.         :         HTH/EP/230930011           ULR No.         :         TC781123100006996F           Party's Ref No.         :         Nil           Booking Date         :         30/09/2023           Period of Testing         :         30/09/2023To 07/10/2023           Reporting Date         :         07/10/2023		
Sample Description : Lux Level Mo	onitoring			
Type of Industry	: Paint Industry			
Sample Location	: Near Entrance Gate	8		
Instrument used	: Lux Level Meter (HTH/AP/1	/13/LuxM-01)		
Instrument Calibration Status	: Calibrated (upto 29.03.2024	4)		

Instrument Calibration Status : 28/09/2023 Date of measurement

> Monitoring :

Purpose of analysis Sample collected/ supplied by

: By our Lab. Representative

**OBSERVATION** 

							and the second se
S.N.	Point of Measurement	1	11		IV	V	VI
	ipline - Chemical, Group - Atmospheric Poll	lution -		1	440	420	450
1	Near Entrance Gate	250	320	390	410	420	450
		TEST	<b>RESULTS</b>				
	1		1	Illuminanc	e Level (lux)		
	2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			T			annes carera

s.N.	Point of Measurement	Minimum	Maximum	Average
		250	450	373
1	Near Entrance Gate	***End of Repo	prt***	

Remarks : At the time of measurement plant was under normal operation.



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## TEST REPORT

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	ULR No. TC	H/EP/230930012 781123100006962F
(HR) 132103	Booking Date : 30 Period of Testing : 30	/09/2023 /09/2023To 05/10/2023 /10/2023

:	Sewage Water Sample (Sen		,, ,	
:	Paint Industry			
:	Sewage Water Sample (Se	tic Tank-Out	let)	
:	28/09/2023			
:	30/09/2023			
:	Seftic Tank-Outlet			
:	2 Ltr.			
:	Monitoring			
:				
	TES	T RESULT	S	
	Unit	Result	Limit as per EP Act. 1986, Schedule-VI (Inland	Test Method
			Surface Water)	IS 3025 (Part 4): 2021
	: : : : : : : : : : : : : : : : : : : :	<ul> <li>Paint Industry</li> <li>Sewage Water Sample (Seff</li> <li>28/09/2023</li> <li>30/09/2023</li> <li>Seftic Tank-Outlet</li> <li>2 Ltr.</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul>	<ul> <li>Paint Industry</li> <li>Sewage Water Sample (Seftic Tank-Out</li> <li>28/09/2023</li> <li>30/09/2023</li> <li>Seftic Tank-Outlet</li> <li>2 Ltr.</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul> TEST RESULT Unit Result	<ul> <li>Paint Industry</li> <li>Sewage Water Sample (Seftic Tank-Outlet)</li> <li>28/09/2023</li> <li>30/09/2023</li> <li>Seftic Tank-Outlet</li> <li>2 Ltr.</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul> <b>TEST RESULTS</b> Unit Result Limit as per EP Act. 1986, Schedule-VI (Inland Surface Water)

Disc	cipline : Chemical, Group : Waste Water				IS 3025 (Part 4): 2021	
1 2 3 4 5 6 7	Colour Odour pH Total Suspended Solids Chemical Oxygen Demand(COD) Biochemical Oxygen Demand (BOD) 3 Days at 27°C Oil & Grease Total Dissolved Solids	Hazen - mg/L mg/L mg/L mg/L mg/L	BLQ(LOQ 1.0) Odourless 7.52 BLQ(LOQ 1.0) 63.0 9.8 BLQ(LOQ 0.5) 746.0	 5.5 - 9.0 100 Max 250 Max 30 Max 10 Max 	IS 3025 (Part 5): 2018 IS 3025 (Part 11): 2022 IS 3025 (Part 17): 1984 IS 3025 (Part 58): 2006 IS 3025 (Part 58): 2006 IS 3025 (Part 44): 1993 IS 3025 (Part 39): 2021 IS 3025 (Part 16): 1984	
8	Total Dissolved Solide	· · · · · · · · · · · · · · · · · · ·	***End of Report***			

Remarks : BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Note: 1. 5. 7.

AUST/BRA **Basudev Singh** T. M. (Chemical)

Page No.: 1 of 1

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### & Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

#### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## TEST REPORT

Issued To:	Report No.	: HTH/M/230904004
Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	Party's Ref No.	: Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 04/09/2023 : 04/09/2023To 19/09/2023 : 19/09/2023

Sample Description	:	Ambient Air Quality	Monitoring
--------------------	---	---------------------	------------

Type of Industry Date & time of sampling Sample Location Instrument used Instrument Calibration Status Purpose of analysis Sample collected/ supplied by	<ul> <li>Paint Industry</li> <li>01/09/2023 (10:00 Hrs) to 02/09/2023 (10:00 Hrs)</li> <li>Near Smartchem Gate</li> <li>RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)</li> <li>Calibrated (upto 24.12.2023)</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul>		
<ul> <li>A. Observations:</li> <li>1. Sampling flow rate (Avg.)</li> <li>2. Total volume of air sampled</li> <li>3. Period of sampling</li> </ul>	<ul> <li>1.26 m3/min</li> <li>1814.40 m3</li> <li>24 Hrs</li> </ul>		 1

s.N.	Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Disci	pline - Chemical, Group - Atmospheric Pollution			100	IS 5182 (Part-23) : 2006
	Particulate Matter (PM10)	μg/ m3	93.64	100 max	IS 5182 (Part-24) : 2019
		μg/ m3	51.15	60 max	
	Particulate Matter (PM 2.5)	μg/ m3	22.76	80 max	IS 5182 (Part-2) : 2001
	Sulphur Dioxide (SO2)	μg/ m3	41.05	80 max	IS 5182 (Part-6) : 2006
4	Nitrogen Dioxide (NO2)	and the second second	23.07	400 max	IS 5182 (Part-25) : 2018
5	Ammonia (NH3)	μg/ m3		100 max	IS 5182 (Part-9) : 1974
	Ozone (O3)	μg/ m3	17.21		IS 5182 (Part-10) : 1999
		mg/ m3	1.031	4 max	
	Carbon Monoxide (CO)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
8	Benzene (C6H6)	0. USUE0	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
9	Benzo - Pyrene (BaP)	ng/ m3		1 max	IS 5182 (Part-22) : 2004
	Lead (Pb)	μg/ m3	BLQ (LOQ-0.02)		HTH/QF/7.2/2/ICP-01 SOP No 17
10		ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
11	Nickel (Ni)	ng/ m3	BLQ (LOQ:1)	6 max	HIH/QF/7.2/2/ICP-0130P NO 17
12	Arsenic (As)		***End of Report*	**	

Remarks: Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Authorized Signatory (Environment)

Tost Method

Page No.: 1 of 1

Review by

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## HARYANA TEST HOUSE & Consultancy Services

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#### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

### **TEST REPORT**

Issued To:		Report No.	:	HTH/WT/230911020
Grasim Industries Limited (Bi	rla Paints Division),	ULR No.		TC781123200001968F
Plot No. 48, 62, HSIIDC, Ind (HR) 132103	Party's Ref No.	:	Nil	
. Comparison of the state of	1. Sec. 1. Sec	Booking Date	:	11/09/2023
		Period of Testing	:	11/09/2023To 18/09/2023
		<b>Reporting Date</b>	:	18/09/2023
Sample Description	: Ground Water Sample	Sample Name		: Ground Water Sample
Type of Industry	Paint Industry	Sample quantity		5 Ltr. + 250 ml in sterilized bottle
Date of sampling	: 11/09/2023			
Date of receipt of sample	: 11/09/2023	Sample Location		: Outside Plant (Filling Point)
Environmental Condition	: Temp. 30°C & Humidity 70%	Purpose of analysis	5	: Monitoring
Sampling Reference Protocol	: IS 1622 : 1981	Sampling Done by		: By our Lab. Representative
REFERENCE TO PROTOCOL : IS	10500:2012( Amend No. 4 Nov. 2021)			

#### **TEST RESULTS**

S.N	· Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
.Dis	cip!ine - Chemical , Group -Water			3		lanaang manyani indonesing kanang kananang disertahan
Or	ganoleptic and Physical Parameter's			-		
1	Colour (Hazen)	-	1.0	5 Max.	15 Max.	IS 3025 (P-4)-2021
2	Odour	20	Agreeable	Agreeable	Agreeable	IS 3025 (P-5)-2018
3	рН	-	7.92	6.5-8.5	No Relaxation	IS 3025 (P-11)-2022
4	Turbidity (NTU)	-	<1.0	1 Max.	5 Max.	IS 3025 (P-10)-2023
5	Total Dissolved Solids (TDS)	mg/l	392.0	500 Max.	2000 Max.	IS 3025 (P-16)-2023
Ge	neral parameters Concerning Subst	ances undes	irable in excessive amou	<u>nts</u>		
1	Total Ammonia (as N)	mg/l	BLQ(LOQ:0.2)	0.5 Max.	No Relaxation	S 3025 (P-34)-1988
2	Calcium (as Ca)	mg/l	40.9	75 Max.	200 Max.	IS 3025 (P-40)-1991
3	Chloride (as Cl)	mg/i	25.99	250 Max.	1000 Max.	IS 3025 (P-32)-1988
4	Fluoride (as F)	mg/l	0.35	1.0 Max.	1.5 Max.	APHA (4500 F)
5	Magnesium (as Mg)	mg/l	32.63	30 Max.	100.Max.	IS 3025 (P-46)-2023
5	Nitrate (as NO3)	mg/l	3.20	45 Max.	No Relaxation	IS 3025 (P-34)-1988
7	Phenolic Compounds (as C6H5OH)	mg/l	BLQ(LOQ:0.0004)	0.001 Max.	0.002 Max.	IS 3025 (P-43)-sec-1 :202
3	Sulphate (as SO4)	mg/l	54.2	200 Max.	400 Max.	IS 3025 (P-24)-sec-1 :202
3	Total Alkalinity (as CaCO3)	mg/l	262.0	200 Max.	600 Max.	IS 3025 (P-23)-2023
10	Total Hardness (as CaCO3)	mg/l	236.0	200 Max.	600 Max.	IS 3025 (P-21)-2009
Disc	ipline- Chemical, Group-Residue in Wat	ter				
ME	TALS					
1	Aluminium (as Al)	mg/l	BLQ(LOQ:0.010)	0.03 Max.	0.2 Max.	HTH/QF/7.2/2/ICP-01,SOI NO-18
2	Barium (as Ba)	mg/l	0.106	0.7 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SO NO-18
3	Molybdenum (as Mo)	mg/l	0.016	0.07 Max	No Relaxation	HTH/QF/7.2/2/ICP-01,SO NO-18
1	Boron (as B)	mg/l	BLQ(LOQ:0.050)	0.5 Max.	2.4 Max.	HTH/QF/7.2/2/ICP-01,50 NO-18

#### Page No.: 1 of 2

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## HARYANA TEST HOUSE & Consultancy Services

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#### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

### TEST REPORT

Issued To:		**	Report No.	: HTH/WT/23091	1020	
Grasim Industries Limited (Birla P	aints Division),		ULR No.	: TC781123200001968F		
Plot No. 48, 62, HSIIDC, Industi (HR) 132103	nery Road, Panipat	Party's Ref No. Booking Date Period of Testing	: Nil : 11/09/2023			
		· · · ·	Reporting Date	: 18/09/2023		
		TEST F	RESULTS			
S.N. Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis	
5 Copper (as Cu)	mg/l	BLQ(LOQ:0.001)	0.05 Max.	1.5 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18	
6 Iron (as Fe)	mg/l	BLQ(LOQ:0.050)	1.0 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18	
7 Manganese (as Mn)	mg/l	0.030	0.1 Max.	0.3 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18	
8 Selenium (as Se)	mg/l	BLQ(LOQ:0.005)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18	
9 Silver (as Ag)	mg/l	BLQ(LOQ:0.001)	0.1 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18	
10 Zinc (as Zn)	mg/l	BLQ(LOQ:0.05)	5.0 Max.	15 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18	
TOXIC SUBSTANCES						
1 Cadmium (as Cd)	mg/l	BLQ(LOQ:0.001)	0.003 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18	
2 Lead (as Pb)	mg/l	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18	
3 Mercury (as Hg)	mg/l	BLQ(LOQ:0.0005)	0.001 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18	

Nickel (as Ni) BLQ(LOQ:0.001) HTH/QF/7.2/2/ICP-01,SOP mg/l 0.02 Max. No Relaxation NO-18 BLQ(LOQ:0.001) Total Arsenic (as As) mg/l 0.01 Max. No Relaxation HTH/QF/7.2/2/ICP-01,SOP NO-18 Total Chromium (as Cr) BLQ(LOQ:0.001) 0.05 Max. HTH/QF/7.2/2/ICP-01,SOP mg/l No Relaxation NO-18 BLQ(LOQ:0.02) 0.05 Max. IS 3025 (P-27) :2021 Cyanide (as CN) mg/l No Relaxation Discipline - Biological , Group - Water **Bacteriological Requirements** Celiform Per 100 ml Shall Not be IS:15185:2016 Absent No Relaxation Detectable E.coli Per 100 ml Absent Shall Not be No Relaxation IS:15185:2016

\*\*\*End of Report\*\*\*

Detectable

Remarks : Analysed parameters of water sample confirms to IS 10500:2012 Amendment No. 4, Nov.2021 specification with respect to permissible limits for

the above test parameters.

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

18.09.2023 Nao Jyoti Gupta

H.O.D. (Biological)

TE.S Auth. n Ashis! Sharpi G.M. (Tech.)

Page No.: 2 of 2

Note: 1.

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The results contained in this test report pertains only to the sample tested not for the whole lot. Total liability of Haryana Test House is limited to the invoiced amount only. 2.



### & Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

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## **TEST REPORT**

Issued To:		Report No.	: HTH/WT/230911021
Grasim Industries Limited (Bi	la Paints Division)	ULR No.	: TC781123200001970F
(HR) 132103	ustrial Estate, Refinery Road, Panipat	Party's Ref No.	: Nil
		Booking Date	: 11/09/2023
	* *	Period of Testing	: 11/09/2023To 18/09/2023
	- 42	Reporting Date	: 18/09/2023
ample Description	: Ground Water Sample	Sample Name	Ground Water Sample
Гуре of Industry	Paint Industry	Sample guantity	5 Ltr. + 250 ml in sterilized bottle
Date of sampling	: 11/09/2023	1999 - College	
Date of receipt of sample	: 11/09/2023	Sample Location	: Supply Water PIT-I, (SE of Plant)
Environmental Condition	: Temp. 30°C & Humidity 70%	Purpose of analysis	: Monitoring
Sampling Reference Protocol	: IS 1622 : 1981	Sampling Done by	: By our Lab. Representative
REFERENCE TO PROTOCOL : IS	10500:2012( Amend No. 4 Nov. 2021)		

#### **TEST RESULTS**

S.N.	Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
.Dis	cipline - Chemical , Group -Water					
Org	ganoleptic and Physical Parameter's			· ·		
1	Colour (Hazen)	-	1.0	5 Max.	15 Max.	IS 3025 (P-4)-2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (P-5)-2018
3	рН	-	8.12	6.5-8.5	No Relaxation	IS 3025 (P-11)-2022
4	Turbidity (NTU)	-	<1.0	1 Max.	5 Max.	IS 3025 (P-10)-2023
5	Total Dissolved Solids (TDS)	mg/l	570.0	500 Max.	2000 Max.	IS 3025 (P-16)-2023
Ger	neral parameters Concerning Substa	ances undes	irable in excessive amou	unts		3
1	Total Ammonia (as N)	mg/l	BLQ(LOQ:0.2)	0.5 Max.	No Relaxation	:S 3025 (P-34)-1988
2	Calcium (as Ca)	mg/l	40.9	75 Max.	200 Max.	IS 3025 (P-40)-1991
3	Chloride (as Cl)	mg/l	45.99	250 Max.	1000 Max.	IS 3025 (P-32)-1988
4	Fluoride (as F)	mg/l	0.65	1.0 Max.	1.5 Max.	APHA (4500 F)
5	Magnesium (as Mg)	mg/l	36.53	30 Max.	100.Max.	IS 3025 (P-46)-2023
5	Nitrate (as NO3)	mg/l	4.20	45 Max.	No Relaxation	IS 3025 (P-34)-1988
7	Phenolic Compounds (as C6H5OH)	mg/l	BLQ(LOQ:0.0004)	0.001 Max.	0.002 Max.	IS 3025 (P-43)-sec-1 :2022
8	Sulphate (as SO4)	mg/l	87.8	200 Max.	400 Max.	IS 3025 (P-24)-sec-1 :2022
9	Total Alkalinity (as CaCO3)	mg/l	452.0	200 Max.	600 Max.	IS 3025 (P-23)-2023
10	Total Hardness (as CaCO3)	mg/l	252.0	200 Max.	600 Max.	IS 3025 (P-21)-2009
Disc	ipline- Chemical, Group-Residue in Wat	er		*:		
ME	TALS					
1	Aluminium (as Al)	mg/l	BLQ(LOQ:0.010)	0.03 Max.	0.2 Max.	HTH/QF/7.2/2/ICP-01,SOP
						NO-18
2	Barium (as Ba)	mg/l	0.132	0.7 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP
						NO-18
3	Molybdenum (as Mo)	mg/l	0.026	0.07 Max	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP
						NO-18
1	Boron (as B)	mg/l	0.159	0.5 Max.	2.4 Max.	HTH/QF/7.2/2/ICP-01,SOP
						NO-18

The results contained in this test report pertains only to the sample tested not for the whole lot.
 Total liability of Haryana Test House is limited to the invoiced amount only.
 Sample not drawn by HTH unless otherwise specified.



Issued To:

## HARYANA TEST HOUSE

### & Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

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#### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

Grasim Industries Limited (Birla Paints Division),	
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	
(HR) 132103	

	Report No.	:	HTH/WT/230911021	
	ULR No.	:	TC781123200001970F	
t	Party's Ref No.	:	Nil	
	Booking Date	:	11/09/2023	
	Period of Testing	:	11/09/2023To 18/09/2023	
	Reporting Date		18/09/2023	

#### **TEST RESULTS**

S.N.	· Parameter's	Unit's	Results	Acceptable Limit's	Permissible Limit's	Method of Analysis
5	Copper (as Cu)	mg/l	BLQ(LOQ:0.001)	0.05 Max.	1.5 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
6	Iron (as Fe)	mg/l	BLQ(LOQ:0.050)	1.0 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
7	Manganese (as Mn)	mg/i	0.036	0.1 Max.	0.3 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
8	Selenium (as Se)	mg/I	0.008	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
9	Silver (as Ag)	mg/l	BLQ(LOQ:0.001)	0.1 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
10	Zinc (as Zn)	mg/l	0.203	5.0 Max.	15 Max.	HTH/QF/7.2/2/ICP-01,SOP NO-18
TO	XIC SUBSTANCES					
1	Cadmium (as Cd)	mg/l	BLQ(LOQ:0.001)	0.003 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
2	Lead (as Pb)	mg/i	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
3	Mercury (as Hg)	mg/l	BLQ(LOQ:0.0005)	0.001 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
4	Nickel (as Ni)	mg/l	BLQ(LOQ:0.001)	0.02 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
5	Total Arsenic (as As)	mg/l	BLQ(LOQ:0.001)	0.01 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
6	Total Chromium (as Cr)	mg/l	BLQ(LCQ:0.001)	0.05 Max.	No Relaxation	HTH/QF/7.2/2/ICP-01,SOP NO-18
7	Cyanide (as CN)	mg/l	BLQ(LOQ:0.02)	0.05 Max.	No Relaxation	IS 3025 (P-27) :2021
Disc	cipline - Biological , Group - Water			-		
Bac	cteriological Requirements					15 7 7
1	Coliform	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016
2	E.coli	Per 100 ml	Absent	Shall Not be Detectable	No Relaxation	IS:15185:2016

\*\*\*End of Report\*\*\*

Remarks : Analysed parameters of water sample confirms to IS 10500:2012 Amendment No. 4, Nov.2021 specification with respect to permissible limits for the above test parameters.

BLQ: Below Limit of Quantification, LOQ: Limit of Quantification

00189-23

18.09,2013

Nao Jyoti Gupta H.O.D. (Biological)

IES Ashish Sharma G.M. (Tech.)

Page No.: 2 of 2

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## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paint Plot No. 48, 62, HSIIDC, Industrial (HR) 132103		Report No. ULR No. Party's Ref No. Booking Date Period of Testing Reporting Date	<ul> <li>HTH/EP/230922032</li> <li>TC781123100006711F</li> <li>Nil</li> <li>22/09/2023</li> <li>22/09/2023To 28/09/2023</li> <li>28/09/2023</li> </ul>
Sample Description : Ambient Air Q	uality Monitoring	6.8.2.2	1. 1. 1. 1. 1. 1. 1. 1.
Type of Industry	: Paint Industry		and the second second
Date & time of sampling	: 21/09/2023 (10:00 Hrs) to 2	2/09/2023 (10:00 Hrs	
Sample Location	: Near Smartchem Gate		
Instrument used	: RDS Model APM- 460 BL (Sr	No. 2305 DTB 2018)	
Instrument Calibration Status	: Calibrated (upto 24.12.2023	)	
Purpose of analysis	: Monitoring		
Sample collected/ supplied by	: By our Lab. Representative		
A. Observations:			
1. Sampling flow rate (Avg.)	: 1.16 m3/min		
2. Total volume of air sampled	: 1670.40 m3		
	: 24 Hrs		

				(NAAQS)	
Dis	cipline - Chemical, Group - Atmospheric Pollu	tion			1 1 1 1 2 2 1
1	Particulate Matter (PM10)	μg/ m3	93.93	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	μg/ m3	51.15	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO2)	µg/ m3-	20.06	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO2)	μg/ m3	40.40	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH3)	μg/ m3	25.23	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O3)	μg/ m3	19.78	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m3	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C6H6)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17
	1 1 1 1 1 1 1 1 1	1	***End of Report***		State of the second

Remarks : Standard limits are as per CPCB notification Nov. 2009 BLQ : Below limit of Quantification / LOQ : Limit of Quantification



Note: 1

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Page No.: 1 of 1

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 Sample not drawn by HTH unless otherwise specified



## & Consultancy Services

#### 50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

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### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

ssued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	ULR No.	: HTH/EP/230930005 : TC781123100006998F : Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 30/09/2023 : 30/09/2023To 07/10/2023 : 07/10/2023

S.N. Test Parameters	Units Result	Standard Limits Test Method (NAAQS)
<ul> <li>A. Observations:</li> <li>1. Sampling flow rate (Avg.)</li> <li>2. Total volume of air sampled</li> <li>3. Period of sampling</li> </ul>	: 1.22 m3/min : 1756.80 m3 : 24 Hrs	
Type of Industry Date & time of sampling Sample Location Instrument used Instrument Calibration Status Purpose of analysis Sample collected/ supplied by	<ul> <li>Paint Industry</li> <li>29/09/2023 (10:00 Hrs) to 30/09/2023 (1</li> <li>Near Power House</li> <li>RDS Model APM- 460 BL (Sr. No. 2305 DT</li> <li>Calibrated (upto 24.12.2023)</li> <li>Monitoring</li> <li>By our Lab. Representative</li> </ul>	

scipline - Chemical, Group - Atmospheric Pollution	μg/ m3	89.14	100 max	IS 5182 (Part-23) : 2006
Particulate Matter (PM10) Particulate Matter (PM 2.5)	μg/ m3 μg/ m3	46.57 17.04	60 max 80 max	IS 5182 (Part-24) : 2019 IS 5182 (Part-2) : 2001 IS 5182 (Part-6) : 2006
Sulphur Dioxide (SO2) Nitrogen Dioxide (NO2)	μg/ m3 μg/ m3	37.01 23.29	80 max 400 max	IS 5182 (Part-25) : 2018
Ammonia (NH3) Ozone (O3)	μg/ m3	22.53	100 max 4 max	IS 5182 (Part-9) : 1974 IS 5182 (Part-10) : 1999
Carbon Monoxide (CO)	mg/ m3 μg/ m3	BLQ (LOQ-0.52)	5 max 1 max	IS 5182 (Part-11) : 2006 IS 5182 (Part-12) : 2004
Benzo - Pyrene (BaP)	ng/ m3 µg/ m3	BLQ (LOQ-0.1) BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004 HTH/QF/7.2/2/ICP-01 SOP No
LO Lead (Pb) L1 Nickel (Ni)	ng/ m3 ng/ m3	BLQ (LOQ:2) BLQ (LOQ:1)	20 max 6 max	HTH/QF/7.2/2/ICP-01 SOP No

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

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Note

Art 10 **Basudev** Singh T. M. (Chemical)

Page No.: 1 of 1

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## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103		Report No. ULR No. Party's Ref No. Booking Date Period of Testing Reporting Date	<ul> <li>HTH/EP/230922032</li> <li>TC781123100006711F</li> <li>Nil</li> <li>22/09/2023</li> <li>22/09/2023To 28/09/2023</li> <li>28/09/2023</li> </ul>		
Sample Description : Ambient Air Q	uality Monitoring	63.2.2	1. 1. 1. 1. 1. 1. 1. 1.		
Type of Industry	: Paint Industry		and the second second		
Date & time of sampling	: 21/09/2023 (10:00 Hrs) to 2	2/09/2023 (10:00 Hrs			
Sample Location	: Near Smartchem Gate				
Instrument used	RDS Model APM- 460 BL (Sr	No. 2305 DTB 2018)			
Instrument Calibration Status	: Calibrated (upto 24.12.2023	)			
Purpose of analysis	: Monitoring				
Sample collected/ supplied by	: By our Lab. Representative				
A. Observations:					
1. Sampling flow rate (Avg.)	: 1.16 m3/min				
2. Total volume of air sampled	: 1670.40 m3				
	: 24 Hrs				

				(NAAQS)	
Dis	cipline - Chemical, Group - Atmospheric Pollu	tion			1 1 1 1 2 2 1
1	Particulate Matter (PM10)	μg/ m3	93.93	100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	μg/ m3	51.15	60 max	IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO2)	µg/ m3-	20.06	80 max	IS 5182 (Part-2) : 2001
4	Nitrogen Dioxide (NO2)	μg/ m3	40.40	80 max	IS 5182 (Part-6) : 2006
5	Ammonia (NH3)	μg/ m3	25.23	400 max	IS 5182 (Part-25) : 2018
6	Ozone (O3)	μg/ m3	19.78	100 max	IS 5182 (Part-9) : 1974
7	Carbon Monoxide (CO)	mg/ m3	0.458	4 max	IS 5182 (Part-10) : 1999
8	Benzene (C6H6)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
9	Benzo - Pyrene (BaP)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
10	Lead (Pb)	μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
11	Nickel (Ni)	ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12	Arsenic (As)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17
	5 1 1 5 6 F	1	***End of Report***		State of the second

Remarks : Standard limits are as per CPCB notification Nov. 2009 BLQ : Below limit of Quantification / LOQ : Limit of Quantification



Note: 1

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## **TEST REPORT**

Issued To:		Report No	. : HTH/EP/2	31014063
Grasim Industries Limited (Birla Pa	aints Division),	ULR No.		100007393F
Plot No. 48, 62, HSIIDC, Industri (HR) 132103			100007393F	
		Booking D Period of Reporting	Testing : 14/10/20	)23To 19/10/2023
Sample Description : Ambient Air	Quality Monitoring			
Type of Industry Date & time of sampling Sample Location	<ul> <li>Paint Industry</li> <li>12/10/2023 (10:00 Hr</li> <li>Near Transformer Are</li> </ul>	ea		9 <sup>74</sup>
Instrument used RDS Model APM- 460 BL (Sr. N			В 2018)	
Instrument Calibration Status	: Calibrated (upto 24.12	2.2023)		
Purpose of analysis				
Sample collected/ supplied by A. Observations:	: By our Lab. Represent	ative		
<ol> <li>Sampling flow rate (Avg.)</li> </ol>	: 1.23 m3/min			
<ol><li>Total volume of air sampled</li></ol>	: 1771.20 m3			
3. Period of sampling	: 24 Hrs			
S.N. Test Parameters	Units	Result	Standard Limits (NAAQS)	Test Method
Discipline - Chemical, Group - Atmosph	eric Pollution			
1 Particulate Matter (PM10)	μg/ m3	93.44	100 max	IS 5182 (Part-23) : 2006
2 Particulate Matter (PM 2.5)	μg/ m3	51.98	60 max	IS 5182 (Part-24) : 2019
3 Sulphur Di <mark>ox</mark> ide (SO2)	μg/ m3	22.74	80 max	IS 5182 (Part-2) : 2001
4 Nitrogen Dioxide (NO2)	μg/ m3	40.57	80 max	IS 5182 (Part-6) : 2006
5 Ammonia (NH3)	μg/ m3	27.89	400 max	IS 5182 (Part-25) : 2018
5 Ozone (O3)	μg/ m3	23.17	100 max	IS 5182 (Part-9) : 1974
7 Carbon Monoxide (CO)	mg/ m3	0.458	4 max	IS 5182 (Part-10) : 1999
Benzene (C6H6)	μg/ m3	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
o benzene (corro)	µg/ ms	bra (roa bisc)		
9 Benzo - Pyrene (BaP)	μg/ m3 ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004

BLQ (LOQ:2)

BLQ (LOQ:1)

\*\*\*End of Report\*\*\*

ng/m3

ng/m3

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification

Review by

11 Nickel (Ni)

Arsenic (As)

12

Note: 1. 5.



HTH/QF/7.2/2/ICP-01 SOP No 17

HTH/QF/7.2/2/ICP-01 SOP No 17

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20 max

6 max



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## TEST REPORT

Issued To:	Report No.	: HTH/EP/231017001
Grasim Industries Limited (Birla Paints Division),	ULR No.	: TC781123100007472F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	Party's Ref No.	: Nil
(HR) 132103	D. L'. Data	: 17/10/2023
	Period of Testing	: 17/10/2023To 23/10/2023
	Reporting Date	: 23/10/2023

#### Sample Description : Ambient Air Quality Monitoring

	Units Result Standard Limits	Test Method
3. Period of sampling	: 24 Hrs	
<ol><li>Total volume of air sampled</li></ol>	: 1728.00 m3	
<ol> <li>Sampling flow rate (Avg.)</li> </ol>	: 1.20 m3/min	
A. Observations:		
Sample collected/ supplied by	: By our Lab. Representative	
Purpose of analysis	: Monitoring	
nstrument Calibration Status	: Calibrated (upto 24.12.2023)	
instrument used	: RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018)	
Sample Location	: Near Smartchem Gate	
Date & time of sampling	: 16/10/2023 (10:00 Hrs) to 17/10/2023 (10:00 Hrs)	
Type of Industry	: Paint Industry	

S.N. Test Parameters	Units	Result	(NAAQS)	Test Method
Discipline - Chemical, Group - Atmospheric Pollution				5
1 Particulate Matter (PM10)	μg/ m3	94.44	100 max	IS 5182 (Part-23) : 2006
	μg/ m3	53.64	60 max	IS 5182 (Part-24) : 2019
	μg/ m3	23.11	80 max	IS 5182 (Part-2) : 2001
3 Sulphur Dioxide (SO2)	μg/ m3	38.80	80 max	IS 5182 (Part-6) : 2006
Nitrogen Dioxide (NO2)	μg/ m3	25.44	400 max	IS 5182 (Part-25) : 2018
5 Ammonia (NH3)	μg/ m3	18.34	100 max	IS 5182 (Part-9) : 1974
5 Ozone (O3)	mg/ m3	0.687	4 max	IS 5182 (Part-10) : 1999
7 Carbon Monoxide (CO)		BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
Benzene (C6H6)	μg/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
Benzo - Pyrene (BaP)	ng/ m3	2	1 max	IS 5182 (Part-22) : 2004
10 Lead (Pb)	μg/ m3	BLQ (LOQ-0.02)		HTH/QF/7.2/2/ICP-01 SOP No 17
11 Nickel (Ni)	ng/ m3	BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12 Arsenic (As)	ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/1CF-01 30F NO 17
		***End of Report*	**	

Remarks: Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification



Page No.: 1 of 1

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## **TEST REPORT**

ssued To: Grasim Industries Limited (Birla Paints Division),	Report No. ULR No.	: HTH/EP/231030038 : TC781123100007787F
Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat	Party's Ref No.	: Nil
(HR) 132103	Booking Date Period of Testing Reporting Date	: 30/10/2023 : 30/10/2023To 06/11/2023 : 06/11/2023

: Paint Industry Type of Industry : 28/10/2023 (10:00 Hrs) to 29/10/2023 (10:00 Hrs) Date & time of sampling : Near Power House Sample Location RDS Model APM- 460 BL (Sr. No. 2305 DTB 2018) Instrument used : Calibrated (upto 24.12.2023) Instrument Calibration Status : Monitoring Purpose of analysis : By our Lab. Representative Sample collected/ supplied by A. Observations: : 1.21 m3/min 1. Sampling flow rate (Avg.) : 1735.20 m3 2. Total volume of air sampled : 24 Hrs 3. Period of sampling Test Method **Standard Limits** Result Units S.N. Test Parameters

5.N. Test Parameters	Units	Nesure	(NAAQS)	
Discipline - Chemical, Group - Atmospheric Pollution				10 5402 (Port 22) : 2006
	μg/ m3	168.97	100 max	IS 5182 (Part-23) : 2006
Particulate Matter (PM10)	μg/ m3	85.25	60 max	IS 5182 (Part-24) : 2019
Particulate Matter (PM 2.5)	μg/ m3	25.56	80 max	IS 5182 (Part-2) : 2001
3 Sulphur Dioxide (SO2)		42.93	80 max	IS 5182 (Part-6) : 2006
Nitrogen Dioxide (NO2)	μg/ m3	27.26	400 max	IS 5182 (Part-25) : 2018
5 Ammonia (NH3)	μg/ m3		100 max	IS 5182 (Part-9) : 1974
6 Ozone (O3)	μg/ m3	23.47		IS 5182 (Part-10) : 1999
7 Carbon Monoxide (CO)	mg/ m3	0.687	4 max	IS 5182 (Part-11) : 2006
	µg/ m3	BLQ (LOQ-0.52)	5 max	
8 Benzene (C6H6)	ng/ m3	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
9 Benzo - Pyrene (BaP)	μg/ m3	BLQ (LOQ-0.02)	1 max	IS 5182 (Part-22) : 2004
10 Lead (Pb)		BLQ (LOQ:2)	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
11 Nickel (Ni)	ng/ m3	CARDONA CHIEFENI	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17
12 Arsenic (As)	ng/ m3	BLQ (LOQ:1)	Provide a state	11114 - 4 1
		***End of Report*	**	

Remarks : Standard limits are as per CPCB notification Nov. 2009

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## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Divis Plot No. 48, 62, HSIIDC, Industrial Estate (HR) 132103		Report No. ULR No. Party's Ref No.	: HTH/EP/231006001 : TC781123100007235F : Nil
	4	Booking Date Period of Testing Reporting Date	: 06/10/2023 : 06/10/2023To 13/10/2023 : 13/10/2023
Sample Description : Ambient Air Quality	Monitoring		
Instrument Calibration Status Purpose of analysis Sample collected/ supplied by A. Observations: 1. Sampling flow rate (Avg.) 2. Total volume of air sampled 3. Period of sampling	Paint Industry 05/10/2023 (10:00 Hrs) to 0 Near L&T Site RDS Model APM- 460 BL (Sr. Calibrated (upto 24.12.2023 Monitoring By our Lab. Representative 1.27 m3/min 1817.37 m3 24 Hrs	No. 2305 DTB 2018)	
S.N. Test Parameters	Units		ard Limits Test Method AAQS)

Dise	cipline - Chemical, Group - Atmospheric Pollu	ution	(NAAQS)	
1	Particulate Matter (PM10)	μg/ m3 83.86	5 100 max	IS 5182 (Part-23) : 2006
2	Particulate Matter (PM 2.5)	μg/m3 48.77		IS 5182 (Part-24) : 2019
3	Sulphur Dioxide (SO2)	μg/ m3 20.71		IS 5182 (Part-2) : 2001
	Nitrogen Dioxide (NO2)	μg/ m3 35.42		IS 5182 (Part-6) : 2006
5	Ammonia (NH3)	μg/ m3 26.45	In Departments	IS 5182 (Part-25) : 2018
	Ozone (O3)	μg/m3 20.61	2000 - A 2000 A	IS 5182 (Part-9) : 1974
	Carbon Monoxide (CO)	mg/ m3 0.458		IS 5182 (Part-10) : 1999
	Benzene (C6H6)	µg/ m3 BLQ (LOQ-0		IS 5182 (Part-10) : 1999
	Benzo - Pyrene (BaP)	ng/ m3 BLQ (LOQ-(		IS 5182 (Part-12) : 2006
C	Lead (Pb)	μg/ m3 BLQ(LOQ:0.		
1	Nickel (Ni)	ng/m3 BLQ(LOQ:2		IS 5182 (Part-22) : 2004
2	Arsenic (As)	ng/ m3 BLQ(LOQ:1		HTH/QF/7.2/2/ICP-01 SOP No 1 HTH/QF/7.2/2/ICP-01 SOP No 1
2		***End of Re	, e mare	

Remarks: Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification





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### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103		Report No.	: HTH/EP/231104052
		ULR No.	: TC781123100008096F
		Party's Ref No.	: Nil
•		Booking Date	: 04/11/2023
		Period of Testing	: 04/11/2023To 09/11/2023
		Reporting Date	: 09/11/2023
Sample Description : Ambient Air O	uality Monitoring		
Type of Industry	: Paint Industry		
Date & time of sampling	: 03/11/2023 (10:00 Hrs) to	04/11/2023 (10:00 Hr	s)
Sample Location	: Near L&T Site		
Instrument used	: RDS Model APM- 460 BL (S	5r. No. 2305 DTB 2018)	
Instrument Calibration Status	Calibrated (upto 24.12.202	23)	
Purpose of analysis	: Monitoring		
Sample collected/ supplied by	: By our Lab. Representative		
A. Observations:			
1. Sampling flow rate (Avg.)	: 1.15 m3/min		
2. Total volume of air sampled	: 1656.00 m3		
3. Period of sampling	: 24 Hrs		

Units	Result	Standard Limits (NAAQS)	Test Method
μg/ m3	199.21	100 max	IS 5182 (Part-23) : 2006
μg/ m3	87.33	60 max	IS 5182 (Part-24) : 2019
μg/ m3	25.56	80 max	IS 5182 (Part-2) : 2001
μg/ m3	43.53	80 max	. IS 5182 (Part-6) : 2006
	28.17	400 max	IS 5182 (Part-25) : 2018
	23.25	100 max	IS 5182 (Part-9) : 1974
	0.802	4 max	IS 5182 (Part-10) : 1999
	BLQ (LOQ-0.52)	5 max	IS 5182 (Part-11) : 2006
	BLQ (LOQ-0.1)	1 max	IS 5182 (Part-12) : 2004
		1 max	IS 5182 (Part-22) : 2004
1.0070	9	20 max	HTH/QF/7.2/2/ICP-01 SOP No 17
ng/ m3	BLQ (LOQ:1)	6 max	HTH/QF/7.2/2/ICP-01 SOP No 17
	μg/ m3 μg/ m3 μg/ m3 μg/ m3 μg/ m3 μg/ m3 μg/ m3 ηg/ m3 μg/ m3 ηg/ m3 ηg/ m3	μg/ m3         199.21           μg/ m3         87.33           μg/ m3         25.56           μg/ m3         25.56           μg/ m3         28.17           μg/ m3         28.17           μg/ m3         23.25           mg/ m3         0.802           μg/ m3         BLQ (LOQ-0.52)           ng/ m3         BLQ (LOQ-0.1)           μg/ m3         BLQ (LOQ-0.02)           ng/ m3         BLQ (LOQ-2.02)           ng/ m3         BLQ (LOQ-2.2)	μg/ m3         199.21         100 max           μg/ m3         87.33         60 max           μg/ m3         87.33         80 max           μg/ m3         25.56         80 max           μg/ m3         28.17         400 max           μg/ m3         28.17         400 max           μg/ m3         0.802         4 max           μg/ m3         0.802         4 max           μg/ m3         BLQ (LOQ-0.52)         5 max           ng/ m3         BLQ (LOQ-0.02)         1 max           μg/ m3         BLQ (LOQ-0.02)         1 max

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification



Note: 1. 3. 5. 6.

Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified. Laboratory is not responsible for the information provided by the customer. In case where information is provided by the customer and can affect the validity of results.

The results contained in this test report pertains only to the sample tested Pager Nowh de of 1
 Sample not drawn by HTH unless otherwise specified.



& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



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### An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103		Report No.	: HTH/EP/231104052
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		Party's Ref No.	: Nil
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A. Observations:			
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	μg/ m3 μg/ m3 μg/ m3 μg/ m3 μg/ m3 μg/ m3 μg/ m3 ηg/ m3 μg/ m3 ηg/ m3 ηg/ m3	μg/ m3         199.21           μg/ m3         87.33           μg/ m3         25.56           μg/ m3         25.56           μg/ m3         28.17           μg/ m3         28.17           μg/ m3         23.25           mg/ m3         0.802           μg/ m3         BLQ (LOQ-0.52)           ng/ m3         BLQ (LOQ-0.1)           μg/ m3         BLQ (LOQ-0.02)           ng/ m3         BLQ (LOQ-2.02)           ng/ m3         BLQ (LOQ-2.2)	μg/ m3         199.21         100 max           μg/ m3         87.33         60 max           μg/ m3         87.33         80 max           μg/ m3         25.56         80 max           μg/ m3         28.17         400 max           μg/ m3         28.17         400 max           μg/ m3         0.802         4 max           μg/ m3         0.802         4 max           μg/ m3         BLQ (LOQ-0.52)         5 max           ng/ m3         BLQ (LOQ-0.02)         1 max           μg/ m3         BLQ (LOQ-0.02)         1 max

Remarks : Standard limits are as per CPCB notification Nov. 2009

BLQ : Below limit of Quantification / LOQ : Limit of Quantification



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The results contained in this test report pertains only to the sample tested Pager Nowh de of 1
 Sample not drawn by HTH unless otherwise specified.

## Annexure-3

**Consent To Operate Certificate** 



No. HSPCB/Consent/: 313096423PITCTO38848882

Dated:10/10/2023

To.

M/s :Grasim Industries Limited Plot no. 48 to 62 , HSIIDC , Industrial Estate Panipat

Subject: Grant of consent to operate to M/s Grasim Industries Limited.

Please refer to your application no. 38848882 received on dated 2023-09-21 in regional office Panipat. With reference to your above application for consent to operate,M/s Grasim Industries Limited is here by granted consent as per following specification/Terms and conditions.

Consent Under	вотн			
Period of consent	04/10/2023 - 30/09/2026			
Industry Type	Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)			
Categor <mark>y</mark>	RED			
Investment(In Lakh)	147500.0			
Total Land Area(Sq. meter)	283500.0			
Total Builtup Area(Sq. meter)	189945.0			
Quantity of effluent				
1. Trade	93.0 KL/Day			
2. Domestic	23.0 KL/Day			
Number of outlets	0.0			
Mode of discharge				
1. Domestic	ZLD-Reuse in Gardening			
2. Trade	ZLD- Reuse in Process			
Domestic Effluent Para	meters			
1. pH	5.5-9.0			
2. BOD	10 mg/l			
3. COD	50 mg/l			
4. TSS	20 mg/l			
5. Faecal Coliform (MPN/100 ml)	<100			
Trade Effluent Paramet	ters			
1. pH	6.5-8.5			
2. TSS	100 mg/l			
3. BOD	30 mg/l			

4. Oil & Grease	10 mg/l
5. Phenolics as C6H5OH	1 mg/l
6. Pb	0.1 mg/l
7. Chromium ( Hexavalent)	0.1 mg/l
8. Total Chromium	2.0 mg/l
9. Cu	2.0 mg/l
10. Ni	2.0 mg/l
11. Zn	5.0 mg/l
12. Arsenic as As	0.2 mg/l
13. Co	0.2 mg/l
14. Total Heavy metals	7.0 mg/l
Number of stacks	24
Height of stack	
1. Stack Attached to 2 TPH Boiler 1	35 m
2. Stack Attached to 2 TPH Boiler 2	35 m
3. Stack Attached to 2 TPH Boiler 3	35 m
4. Stack attached to 20 1 a c k C a 1 / h r T h e r m o p a c k 1	35 mRYANA STATE
5. Stack attached to 20	35 m
l a c k C a l / h r T h e r m o p a c k 2	
6. Stack attached to 20 l a c k C a l / h r T h e r m o p a c k 3	35 m
7. Stack attached to 0.5 TPH Boiler	35 m
8. Stack attached to Dust Collector1	33 m
9. Stack attached to Dust Collector2	33 m
10. Stack attached to Dust Collector3	33 m
11. Stack attached to Dust Collector4	33 m
12. Stack attached to Dust Collector5	33 m
13. Stack attached to Dust Collector6	33 m
14. Stack attached to Dust Collector7	33 m
15. Stack attached to Dust Collector8	33 m
16. Stack attached to Dust Collector9	33 m
17. Stack attached to Dust Collector10	33 m

-				
18. Stack attached to Wet Scrubber of Water Base Block	33 m			
19. Stack attached to Wet Scrubber of Solvent Paint Block	33 m			
20. Stack attached to Wet Scrubber of Resin Block	33 m			
21. Stack1 attached to Wet Scrubber of Emulsion Block	33 m			
22. Stack2 attached to Wet Scrubber of Emulsion Block	33 m			
23. Stack Attached to DG Set1 2000KVA	33 m			
24. Stack Attached to DG Set2 2000KVA	33 m			
Emission parameters				
1. SPM (For Boiler/Thermopack)	80 mg/m3			
2. SPM (For Stack attached to Dust Collector/Wet Scrubber)				
Product Details	IANTANA STATE			
1. Water Based Paints	684.94 Kilo liters/Day			
2. Solvent Based Paints	136.99 Kilo liters/Day			
3. Emulsions	273.98 Kilo liters/Day			
4. Resins	82.20 Kilo liters/Day			
Capacity of boiler				
1. Boiler 1	2 Ton/hr			
2. Boiler 2	2 Ton/hr			
3. Boiler 3	2 Ton/hr			
4. Boiler (for MEE Plant)	0.5 Ton/hr			
5. Thermopack 1	2000000 Kcalores/hr			
6. Thermopack 2	2000000 Kcalores/hr			
7. Thermopack 3	2000000 Kcalores/hr			
Type of Furnace				
1. NA				
Type of Fuel				
1. PNG	40526 kg/day			
Raw Material Details				
Pigments such as Rutile (TiO2) various grades,middle chrome, Redoxide, etc.	245.67 Metric Tonnes/Day			
Extenders such as China clay, Calcium carbonate,Silica, Marble powder, Dolomite, etc.	234.99 Metric Tonnes/Day			

Polyols such as Phthalic a n h y d r i d e , Pentaerythritol,Maleic anhydride, benzoic acid, sodium bicarbonate,etc	19.44 Metric Tonnes/Day
Colored pigments such as Blue, Green, Lemonchrome, yellow oxide, carbon black, etc.	1.27 Metric Tonnes/Day
Additives such as Natrosol, Diammonium phosphate, sodium benzoate, Hydroxy ethyl cellulose, etc.	6.18 Metric Tonnes/Day
Solvents such as Mineral turpentine, Xylene,Dipentine, MCEE 10, etc.	55.45 Metric Tonnes/Day
Driers and additives such as Calcium octoate, Cobaltoctoate, Ropaque Op60, Soya fatty acid, Indofil 850, etc.	49.37 Metric Tonnes/Day
Polyols such as Propylene glycol, L i q u o r ammonia,Texanol, etc	5.47 Metric Tonnes/Day
Additives/Biocides such as Nipacide DFX, Dapro,Neopon, Thorew paste, etc.	14.24 Metric Tonnes/Day
Additives such as Morpholene, Benzyl alc, Glycerine, etc.	3.78 Metric Tonnes/Day
Monomers such as Methyl Methacrylate, 2 Ethylhexyl acrylate, Butyl acrylate, Styrene, etc.	154.52 Metric Tonnes/Day
Speciality Resins (Other than those manufactured inhouse)	13.02 Metric Tonnes/Day
Oils such as Raw linseed oil, Castor oil, Soyabeanoil, etc.	29.89 Metric Tonnes/Day

### Regional Officer, Panipat Haryana State Pollution Control Board. Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines values, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.

2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The

applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.

3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.

4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant along with the consent application.

5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.

6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.

7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.

8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.

9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.

10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.

11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.

12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.

13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.

14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.

15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.

16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

#### **Specific Conditions :**

1. That the unit shall keep all the parameters within the prescribed limits and shall comply with all the Norms and Rules as prescribed in the Acts. 2. That the unit will comply with all the provisions of Hazardous Waste Rules and will make agreement with TSDF and Authorized

recycler of the Board for scientific disposal of Hazardous Waste. 3. That unit will use only Gaseous fuel in the industry. 4. That unit will comply with the conditions of Environmental Clearance. 5. That unit will install and connect the Flow meters and PTZ camera to the server of CPCB and HSPCB 6. Unit will submit the analysis report with in 03 months. 7. The total losses of solvent should not be more than 5% of the solvent consumed, if solvent consumption less than 1000 tons/Annum; and the solvent loss should not be more than 3% of the solvent consumed, if solvent consumption greater than 1000 tons/Annum. 8. The unit will comply with all the directions issued by CPCB, HSPCB, MoEF & CC and CAQM time to time. 9. The unit will not use ground water as source of water supply. 10. The unit will submit the compliance of conditions of CTO each year.



Annexure-4

**Hazardous Waste Authorization** 

Application no. :41571676 Industry id: 21PIT136187 Date: 16/10/2023



## Haryana State Pollution Control Board

SCO-55, Sec.25, HUDA, Panipat Ph. 0180-2672037 Email:hspcbropr@gmail.com



#### No. :HWM/PIT/2023/41571676

DT: 16/10/2023

То

M/s Grasim Industries Limited

Plot no. 48 to 62, HSIIDC, Industrial Estate Panipat Panipat

# Sub: Grant of Authorization under Hazardous and Other Wastes(Management & Transboundry Movement) Rules, 2016

- 1. Reference of application:41571676 dated: 16/10/2023
- 2. Mr. Harikrishna Agarwal of Grasim Industries Limited is hereby granted an authorization for generation, collection, storage, transportation on the premises situated at Plot no. 48 to 62, HSIIDC, Industrial Estate Panipat

Details	of Authorization	
Detans	of Automzation	

S.No.	Name of process and Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity
1	Part A, A1-A1160	Disposal through Authorised Vendor	30 T/Annum
2	cleaning, emptying and maintenance of petroleum oil storage tanks including, Oil-containing cargo residue, washing water and sludge	TSDF / Incineration	10 T/Annum
3	cleaning, emptying and maintenance of petroleum oil storage tanks including, Sludge and filters contaminated with oil	TSDF / Incineration	10 T/Annum
4	Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications, Used/spent oil	Recovery and Reuse-Authorized recyclers	40 T/Annum
5	production and/or industrial use of solvents, Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse	TSDF / Incineration	160 T/Annum
6	production and/or industrial use of solvents, Distillation residues	TSDF / Incineration	50 T/Annum

7	Production and/or industrial use of paints, pigments, lacquers, varnishes and inks, Process wastes, residues & sludges	Recovery and Reuse-Authorized recyclers	140 T/Annum
8	Production and/or industrial use of glues, cements, adhesive and resins, Wastes/residues (not made with vegetable or animal materials)	Recovery and Reuse-Authorized recyclers	90 T/Annum
9	Handling of Hazardous chemicals and wastes, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Recovery and Reuse-Authorized recyclers	120 T/Annum
10	Handling of Hazardous chemicals and wastes, Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	Recovery and Reuse-Authorized recyclers	800 T/Annum
11	De-contamination of barrels/containers used for handling of hazardous waste/chemicals, Chemical Containing residue arising from decontamination	TSDF / Incineration	25 T/Annum
12	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Flue gas cleaning residue	Recovery and Reuse-Authorized recyclers	5 T/Annum
13	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Spent ion exchange resin containing toxic metal	Recovery and Reuse-Authorized recyclers	20 T/Annum
14	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Chemical sludge from waste water treatment	Recovery and Reuse-Authorized recyclers	220 T/Annum
15	Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Oil and grease skimming residues	Recovery and Reuse-Authorized recyclers	20 T/Annum
16	Purification process for organic compounds/solvents, Spent carbon or filter medium	Recovery and Reuse-Authorized recyclers	5 T/Annum
17	production and/or industrial use of solvents, Contaminated aromatic, aliphatic or napthenic solvents may or may not be fit for reuse	Recovery and Reuse-Authorized recyclers	160 T/Annum

- 1. The authorization shall be valid for a period of 08/10/2023 to 30/09/2026
- 2. The authorization is subject to the following general and specific conditions :-

#### (i)

(ii) 1.Unit will handover ETP Sludge only to the Authorized recycler. 2. That the unit will comply with all the provisions of Hazardous Waste Rules . 3. That unit will submit annual return on form IV before 30th June of every year 4.That the Authorization so granted shall become invalid in case of violation of any of the above / any law of the land 5 Unit shall renew its agreement with Service Provider on the Expiry of same.

**Regional Officer Panipat For Haryana State Pollution Control Board** 

Conditions of Authorization:

- 1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 2. The authorization or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- 3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.
- 4. Any unauthorised change is personnel equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of this authorization.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
- 7. An application for the renewal of an authorization shall be made as laid down under these Rules.
- 8. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 9. Annual return shall be filed by June 30 th for the period ensuring 31 st March of the year.

### **Regional Officer Panipat** For Haryana State Pollution Control Board

Annexure-5 Fire NOC From Director General

Fire Service, Haryana Panchkula

To M/s Grasim Industries Limited

Plot no. 48 to 62 Industrial Estate Village Dadlana Panipat Haryana

#### Memo No. FS/2023/907 dated : 27/09/2023

#### Subject : Fire Safety Certificate 15 mtrs. and Above from the fire safety point of view for Group G-Industrial Building at Plot no. 48 to 62 Industrial Estate Village Dadlana Panipat Haryana of Grasim Industries Limited :

Reference your letter no. 140842323000640 dated 04/09/2023 on the subject cited above.

Tower Name	Floor Detail	Height	Ground Coverage
BLOCK A (1A TO 6A)	GROUND ONLY	27 METER	29400.00 SQ.MTR (ONLY GROUND LEVEL IS LIVALBLE)
BLOCK 7	G+2	13.95 METER	3188.45 SQ.MTR
BLOCK 8	G+2	13.95 METER	2293.23 SQ.MTR
BLOCK 9	OPEN SHED	-	2060.44 SQ.MTR
BLOCK 10	GROUND ONLY	7.25 METER	462.15 SQ.MTR
BLOCK 11	GROUND ONLY	12.50 METER	3575 SQ.MTR
BLOCK 12	GROUND ONLY	12.50 METER	3575 SQ.MTR
BLOCK 13	G+2	13.95 METER	1880.0 SQ.MTR
BLOCK 14 (A)	GROUND ONLY	9.20 METER	2112 SQ.MTR
BLOCK 14 (B)	G+3	NON OCCUPIED AR	240 SQ.MTR
BLOCK 15	G+3	14.45 METER	1393.77 SQ.MTR
BLOCK 16	OPEN SHED	-	1737.80 SQ.MTR
BLOCK 17	OPEN SHED	-	3172.23 SQ.MTR
BLOCK 18	OPEN SHED	-	3174.60 SQ.MTR
BLOCK 19	OPEN SHED	-	1990.20 SQ.MTR
BLOCK 20	OPEN SHED	-	2068.73 SQ.MTR
BLOCK 21	OPEN SHED	-	151.08 SQ.MTR
BLOCK 22 (A)	OPEN SHED	-	3842.0 SQ.MTR
BLOCK 22(B)	G+1	10.23 METER	364 SQ.MTR
BLOCK 23 (A)	GROUND ONLY	4.95 METER	483 SQ.MTR
BLOCK 23 (B)	OPEN SHED	-	2173.21 SQ.MTR
BLOCK 24	GROUND ONLY	5.0 METER	664 SQ.MTR
BLOCK 25	GROUND ONLY	4.95 METER	1457.38 SQ.MTR
BLOCK 26	GROUND ONLY	4.95 METER	345 SQ.MTR
BLOCK 27	GROUND ONLY	5.45 METER	600 SQ.MTR
BLOCK 28	GROUND ONLY	5.2 METER	309.61 SQ.MTR
BLOCK 29	OPEN TO SKY	-	1350 SQ.MTR
BLOCK 30	GROUND ONLY	2.90 METER	792 SQ.MTR
BLOCK 31	G+1	9.95 METER	1200 SQ.MTR
BLOCK 32	GROUND ONLY	5.30 METER	280 SQ.MTR
BLOCK 33	GROUND ONLY	4.95 METER	552 SQ.MTR
BLOCK 34	GROUND ONLY	7.65 METER	2520 SQ.MTR
BLOCK 35	GROUND ONLY	5.98 METER	138 SQ.MTR
BLOCK 36	GROUND ONLY	5.15 METER	376 SQ.MTR
BLOCK 37	GROUND ONLY	3.45 METER	50.00 SQ.MTR
BLOCK 38	GROUND ONLY	3.45 METER	50.00 SQ.MTR
BLOCK 39	GROUND ONLY	4.85 METER	216.00 SQ.MTR

NIL	NIL	NIL	ОК
Tower Name	Basement Level	Basement Area	<b>Basement Remarks</b>
BLOCK 51	OPEN SHED	-	-
BLOCK 50	OPEN SHED	-	-
BLOCK 49	OPEN SHED	-	-
BLOCK 48	OPEN SHED	-	410.64 SQ.MTR
BLOCK 47	G+3	NON OCCUPIED AR	240.00 SQ.MTR
BLOCK 46	GROUND ONLY	6.73 METER	468.00 SQ.MTR
BLOCK 45	OPEN SHED	-	632.50 SQ.MTR
BLOCK 44	GROUND ONLY	11.85 METER	2293.00 SQ.MTR
BLOCK 43	G+2	12.0 METER	118.80 SQ.MTR
BLOCK 42	GROUND ONLY	7.95 METER	760.00 SQ.MTR
BLOCK 41	GROUND ONLY	9.0 METER	2376.00 SQ.MTR
BLOCK 40	GROUND ONLY	4.85 METER	216.00 SQ.MTR

1) The owner/occupier shall give a self declaration certificate annually regarding fire safety system installed in his building/premises is working in good condition and there is no addition/alteration in the building.

2) In case there is any addition/alteration in the building, the Fire Safety Certificate shall cease to exist and the owner shall apply for approval of revised Fire Fighting Scheme

- 3) As per sub-section (1) and the competent authority may randomly check such building/premises.
- 4) The owner/occupier shall keep duly trained Fire Staff in all three shifts.
- 5) The Fire Protection System tested during inspection shall be maintained properly & always should be in good working condition.
- 6) If any lapse is found in the fire protection system at the time of inspection or detected during outbreak of fire, action will be taken as per rules against you.
- 7) You are directed to apply for Fire Safety Certificate in future before 2 months of expiry of your Fire Safety Certificate.
- 8) The open set back area is not checked at our end as it shall be checked by concerned building authority/department.
- 9) The owner/occupier shall strictly follow the other applicable rules/ regulations/ byelaws laid down regarding fire safety system. If you fail to comply with any of the above terms & conditions you will be liable to be punished as per Section 30,31 & 47 of Fire & Emergency Services Act 2022.
- 10) You have to perform quarterly Fire Drill in your building as per NBC with intimation to Fire Department and video graphy evidence to be kept as a record which shall be produced at the time of next Renewal; Official/Staff should be participated in the drill.
- 11) If the Infringements of Byelaws remains un-noticed the Authority reserves the right to amend the Fire Safety Certificate as and when any such Infringements comes to notice after giving an opportunity of being heard and the Authority shall stand Indemnified against any claim on this account.
- 12) Fire safety Certificate granted subject to condition that there is no violation in sanctioned building plan by virtue of which fire fighting scheme was approved.
- 13) The owner or occupier of the building shall give a self-declaration certificate annually to the effect that the fire fighting system installed in his building is working in good condition and there is no addition/alteration in the building. The Fire Officer may randomly check such building. In case there is any addition/alteration beyond permissible limits under the Haryana Building Code, 2017, the fire safety certificate shall cease to exist and the owner shall apply for approval of revised Fire Fighting Scheme as per the provisions of section 18.

The above Fire Safety Certificate is valid for only **Three** year from the date of issue of this letter Applying renewal of the same well in time shall be the responsibility of owner/occupier.

## Remarks:- Fire Safety Certificate for Industrial Building under Moderate Hazard G2 and Block No 16 to 21 are open tank farms area comes under G3



Deputy Director (Technical)-I, for Director General, Fire Service, Haryana

Panchkula

Exercising the power of Director, Fire Services, Haryana

Annexure-6

**Noise Level Monitoring** 



## VANA T & Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169 Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

## An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

Issued To: Grasim Industries Limited (Birla Pai Plot No. 48, 62, HSIIDC, Industria (HR) 132103		Report No. ULR No. Party's Ref No. Booking Date Period of Testing Reporting Date	<ul> <li>HTH/EP/230930006</li> <li>TC781123100006974F</li> <li>Nil</li> <li>30/09/2023</li> <li>30/09/2023To 07/10/2023</li> <li>07/10/2023</li> </ul>
Sample Description : Noise Level !	Nonitoring-Ambient Noise	1 al al al	1 al a st at at a
Type of Industry	: Paint Industry	and when the state	
Sample Location	: Near Entry Gate		
Instrument used	: Sound Level Meter (HTH/Al	P/12/SLM-03)	
Instrument Calibration Status	Calibrated (upto 07.07.2024	4)	

Instrument Calibration Status Date of measurement Purpose of analysis

Sample collected/ supplied by

: By our Lab. Representative OBSERVATION

: 29/09/2023

: Monitoring

	and a second	at st p	a de de	at at a	100 100
70.2	69.4	72.6	71.9	73.4	72.6
60.9	64.8	65.2	63.8	64.7	63.7
	60.9		60.9         64.8         65.2	60.9         64.8         65.2         63.8	60.9         64.8         65.2         63.8         64.7

	0	"A") (CPCB)
Lmax	Leq	and and all all
73.4	71.9	75 max
65.2	64.1	70 max
	73.4	73.4         71.9           65.2         64.1

\*\*\*End of Report

Remarks : Leq:- It is an energy mean of the noise level over a specified period CPCB Standard as per Noise Pollution Rules, 2000



 

 Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law.
 2. The result

 This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement.
 3. Total liabit

 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified.
 6. Sample not taken any responsibility. Lab does not confirm about it and hence does not taken any responsibility.

 5

The results contained in this test report pertains only to the sample tested not for the whole lot.
 Total liability of Haryana Test House is limited to the invoiced amount only.
 Sample not drawn by HTH unless otherwise specified.
 aken any responsibility whatsoever.

21 **Basudev Singh** T. M. (Chemical)

Page No.: 1 of 1



Note



& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net



## An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

Issued To:	1. I share at a	Report No.	: HTH/EP/23093	0007	
Grasim Industries Limited (Birla Paints Division), Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat (HR) 132103		ULR No.	: TC7811231000	06975F	
		Party's Ref No.	: Nil		
		Booking Date	: 30/09/2023		
	and a second and a second	Period of Testing Reporting Date	: 30/09/2023To : 07/10/2023	07/10/2023	
Sample Description : Noise Level M	onitoring-Ambient Noise			1.1.1	1
Type of Industry	: Paint Industry				
Sample Location	: South East Corner				
Instrument used	: Sound Level Meter (HTH/AF	P/12/SLM-02)			
Instrument Calibration Status	Calibrated (upto 29.03.2024	4)			
Date of measurement	: 29/09/2023				
Purpose of analysis	: Monitoring				
Sample collected/ supplied by	: By our Lab. Representative OBSERVA				

S.N.	Point of Measurement		I		IV	V	VI
Disci	oline – Chemical, Group – Atmospheric Pollution -		and have	at the p	1.1	10 10	at at at
1	Day time (06:00 AM to 10:00 PM)	72.9	68.9	70.9	73.4	72.6	70.9
2	Night time (10:00 PM to 06:00 AM)	65.9	60.9	58.7	60.9	59.2	62.4
1		TEST	T RESULTS		and all all	at al	1.1.1
	1 6 8 1 8 1 1		Noise	e Level (dB "A")	8 8 8	SI	tandard Limits (dB

	·	"A") (CPCB)
Lmax	Leq	A /(croo)
73.4	71.9	75 max
65.9	62.1	70 max
	73.4	73.4         71.9           65.9         62.1

Remarks : Leq:- It is an energy mean of the noise level over a specified period

CPCB Standard as per Noise Pollution Rules, 2000

2023 0 Review by

Auth Sign DA **Basudev Singh** 

T. M. (Chemical)

Page No.: 1 of 1

Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law. This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement. Samples will be destroyed after one month from the date of issue of test report unless otherwise specified. The details received from customer on its own responsibility. Lab does not confirm about it and hence does not taken any responsibility whatsoever. Note : 1. 5.



& Consultancy Services

50-C, Sector-25 Part-II, HUDA, PANIPAT-132 103 (HR.)

Contact : (Off.) 86077-70160, 0180-4067223, (Env.)86077-70164, (BM) 86077-70166, (Food) 86077-70169

Web Site : www.haryanatesthouse.net, e-mail : haryanatesthousecs@gmail.com, info@haryanatesthouse.net

## An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory

## **TEST REPORT**

: HTH/EP/230930008 Report No. **Issued To:** : TC781123100006976F Grasim Industries Limited (Birla Paints Division), ULR No. Plot No. 48, 62, HSIIDC, Industrial Estate, Refinery Road, Panipat Party's Ref No. : Nil (HR) 132103 **Booking Date** : 30/09/2023 Period of Testing : 30/09/2023To 07/10/2023 **Reporting Date** : 07/10/2023 Sample Description : Noise Level Monitoring-Ambient Noise

Type of Industry	: Paint Ind	lustry						
Sample Location	: North Ea	st Corner						
Instrument used	: Sound Le	ound Level Meter (HTH/AP/12/SLM-01) alibrated (upto 07.07.2024)						
Instrument Calibration Status	Calibrate							
Date of measurement	: 29/09/20	023						
Purpose of analysis	: Monitori	ing						
	: By our La	ab. Representa	tive					
	: By our La		tive RVATION		C. A.			
	: By our L			b III	IV	v	VI	
Sample collected/ supplied by S.N. Point of Measurement			RVATION	H	IV	v		
Sample collected/ supplied by S.N. Point of Measurement Discipline – Chemical, Group – Atmosp	heric Pollution -		RVATION	111	IV 71.9	V 72.4		
Sample collected/ supplied by S.N. Point of Measurement	heric Pollution -	OBSE	RVATION II				VI 73.9 62.7	

1	1 1 1 1 1 1 1 1 1		Noise Level (dB "A")			
S.N.	Point of Measurement	Lmin	Lmax	Leq	"A") (CPCB)	
1	Day time (06:00 AM to 10:00 PM)	70.8	73.9	72.3	75 max	
1.50	Night time (10:00 PM to 06:00 AM)	57.9	63.8	61.9	70 max	
2	I talking the fragment in the poster stand					

\*\*\*End of Report\*\*\*

Remarks : Leq:- It is an energy mean of the noise level over a specified period CPCB Standard as per Noise Pollution Rules, 2000

Review b

Note : 1



Page No.: 1 of 1

Test report shall not be reproduce in whole or in part and cannot be used as an evidence in the court of Law. 2 This report is only for your guidance, and not for legal purposes, commercial decision, and for advertisement. 4 Samples will be destroyed after one month from the date of issue of test report unless otherwise specified. 6 The details received from customer on its own responsibility. Lab does not confirm about it and hence does not tak

The results contained in this test report pertains only to the sample tested not for the whole lot.
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 Sample not drawn by HTH unless otherwise specified. aken any responsibility whatsoever.

Annexure-7

**Environmental Policy** 



## **ENVIRONMENTAL POLICY**

Aditya Birla Group, a global conglomerate, recognizes that effective management of environment impacts is a fundamental part of our business. We shall strive to integrate sound environmental practices across the Group's management and governance systems to minimize environmental impacts and attain a leadership position in environmental stewardship.

Every Aditya Birla Group Company shall endeavour to:

- Maintain positive legal compliance to environmental regulations and conform to the requirements of Aditya Birla Group Sustainability Framework;
- Progressively develop, implement and maintain an internationally accepted environmental management system in our operations and new projects;
- Take initiatives towards efficient use of natural resources and energy; reduction and prevention of pollution; and promoting waste avoidance and recycling measures in line with internationally disseminated technologies and practices;
- Enhance environmental awareness through participation and consultation with employees and contractors by training and effective channels of communication;
- Engage with internal and external stakeholders and wider communities to broaden our understanding of environmental priorities, their links to global issues and initiate actions on key environmental challenges;
- Influence our contractors and suppliers to adopt the Aditya Birla Group environmental policies, principles and practices and encourage appropriate environmental management across the supply and value chain;
- Continually improve environmental performance of current and future products, services and infrastructure of the Aditya Birla Group's Companies; and
- Monitor, measure, report the progress, performance of environmental conservation and management initiatives in compliance with internationally recognized protocols and communicate approach and achievements to relevant stakeholders.

Each Aditya Birla Group Company shall sign up to this policy or develop an equivalent that shall be implemented throughout its operations.

This policy will be reviewed periodically for its suitability and updated as necessary.

Date: 18<sup>th</sup> August 2016

#### ABG/SUST/POL/01

Version: V-3

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Annexure-8

**Environmental Management Plan** 

Sr.			_
No.		Activity	Purpose
		Installation of 170 KLD capacity ETP plant & STP	100 % treatment of trade effluent as per CPCB/HSPCB norms
1	ZLD system	RO Plant installation	Treatment of High TDS effluent. To establish ZLD system. Reuse of treated effluent to reduce freshwater consumption
		MEE & ATFD System	Treatment of RO reject effluent. To establish ZLD system. Reuse of treated effluent to reduce freshwater consumption
2	Organic Waste management	Organic Waste Convertor	To reduce the organic pollutant load in environment and prevent water & soil pollution. Converted organic waste used as manure for green belt development.
3	Use of rainwater	Rainwater Harvesting	To use in greenbelt area
4	Air Pollution Control Measures	Counter Current Wet Scrubber, two stage carbon bed & Dust Collectors	Water Based Paint Block
		Install 24*7 continuous emission monitoring system at process stacks to monitor stack emission	continuous emission monitoring
5	Air Quality Monitoring and Preservation	Installation of system to carryout Ambient Air Quality monitoring within and outside the plant area at least at four locations	monitoring of PM10 and PM25 in reference to PM emission, and SO2 and NOX in reference to SO2 and NOx emissions)
6	Effluent online quality monitoring	ETP & STP treated water online monitoring	As per CPCB guideline for Paint industry