18th May 2019

To,

The Joint Director
Ministry of Environment & Forests (IA Division)
Paryavaran Bhawan, CGO Complex, Lodhi Road
NEW DELHI – 110 003

Dear Sir,


Please find enclosed the Environment compliance status with respect to the Environmental Clearance given to Asian Paints Limited, Rohtak for the month of 1st October'18 to 31st March’19.

Thanking you,

Yours Sincerely,

FOR ASIAN PAINTS LTD.

Sunit Jamuar

General Works Manager

CC:

1) The Director
   Ministry of Environment & Forests
   Regional Office (NEZ), Bays No. 24-25, Sector 31-A,
   Dakshim Marg,
   CHANDIGARH – 160 022

2) The Member Secretary
   HSPCB, Sector-6, C-11, Panchkula, Haryana

3) The Regional officer, HSPCB Bahadurgarh Region

Enclosure: Environmental Clearance conditions compliance status for the period from 1st October’18 to 31st March’19 with Annexure (I to V).
<table>
<thead>
<tr>
<th>Sl.No</th>
<th>Condition</th>
<th>Compliance Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The project authorities shall ensure periodical monitoring of the solvents like Xylene and Toluene. No Benzenes shall be used in the process.</td>
<td>Periodic Monitoring of solvents are regularly conducted. No Benzenes is used in the process. Reports of tests conducted attached as annexure 1.</td>
</tr>
<tr>
<td>2</td>
<td>The project authorities shall provide vents with condensers to control solvent emissions and recover the same. The recovery of the solvents shall not be less than 98%.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>3</td>
<td>The gas fuel (SSO, NOX, VOC, Toluene, xylene, butane) and particulate matter from various processing units shall conform to the standards prescribed by the concerned authority from time to time and monitoring report shall be submitted to the Ministry's Regional Office, CPCB and Hazarua PCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control systems/units adopted by the unit, the respective unit shall not be run until the control measures are rectified to achieve the desired efficiency.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>4</td>
<td>Fugitive emissions in the works area and environment. Paper mill's storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by Hazarua PCB. For control of fugitive emissions and VOCs, the following steps shall be followed: A. Closed handling system shall be provided for chemicals. B. Reflux condenser shall be provided over overhead. C. Chemical handling pump shall be provided with mechanical seals to prevent leakage. D. System of leak detection and repair of pipes/piping line based on preventive maintenance. E. Chemicals shall be taken to reactors through closed pipelines. Storage tanks shall be vented through top receiver and condenser operated on chilled water.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>5</td>
<td>During transfer of raw materials, spillage should be avoided and girdled drains be constructed to avoid mixing of acid/diesel/platters with domestic waste and storm drains.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>6</td>
<td>The project authorities shall install eccentric couplings in DG set for noise control and the stack height of DG sets and thematic fluid heaters shall be in accordance with CPCB.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>7</td>
<td>Total water requirements shall not exceed 1312 m³/day. A full fledged treatment plant shall be installed for treatment of the wastewater to achieve the standards prescribed by the State Pollution Control Board. The treated wastewater shall be reused and zero discharge condition shall be maintained.</td>
<td>Complied</td>
</tr>
<tr>
<td>8</td>
<td>Hazardous waste (996 MTr/m3/year) and Non-hazardous waste (2130 MTr/m3/year) shall be generated from the proposed project. Incurable hazardous waste will be incinerated and incineration ash and other by-products shall be disposed in TSDF. Non-hazardous solid waste shall be sold and recycled/materialized. Used/spent oil from power generation sets shall be separately collected and sold to authorized oil recycler.</td>
<td># Hazardous waste generation is 79.19 MT in (October '18 to March '19). Hazardous waste is being disposed through TSDF facility of EPL (Jagatpur Efluent Treatment Plant). # Non-hazardous solid waste generation 517.04 MT (October '18 to March '19). # Used/spent oil is separately collected and sold to authorized oil recycler.</td>
</tr>
<tr>
<td>SL No.</td>
<td>Condition</td>
<td>Compliance Status</td>
</tr>
<tr>
<td>-------</td>
<td>-----------</td>
<td>------------------</td>
</tr>
<tr>
<td>IX</td>
<td>The project authorities shall store ETP sludge in below mentioned storage facility and shall be disposed of to TSDF. The company shall submit a copy of the same to the Ministry.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>A landscape-proof storage facility has been constructed for ETP sludge.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ETP sludge disposed to TSDF facility of GEPIL (Gujarat Enviro Protection &amp; Infrastructure Pvt. Ltd.) at Parpat.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Membership of TSDF facility has been taken and a copy is enclosed as annexure III.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stored in accordance to norms.</td>
</tr>
<tr>
<td>X</td>
<td>The project authorities shall obtain necessary clearances from IMT and HSDC authorities for supply of treated water within three months. The copy of the same shall be submitted to Ministry’s Regional Office at Chandigarh.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>XI</td>
<td>The company shall develop 35% of the total area as green belt as per the CPCB guidelines to mitigate the effect of fugitive emissions.</td>
<td>Complied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>35% of the total area (45 acre out of 130 acre) has been developed as green belt.</td>
</tr>
<tr>
<td>XII</td>
<td>The project authorities shall ensure adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds as provided shall not be diverted for any other purpose.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Adequate funds has been allocated for adhering to all statutory and other environmental requirements.</td>
</tr>
<tr>
<td>XIII</td>
<td>Occupational health monitoring of the workers shall be done on a regular basis and records maintained as per the Factories Act.</td>
<td>Noted and Complied</td>
</tr>
</tbody>
</table>

### B. GENERAL CONDITIONS

<table>
<thead>
<tr>
<th>SL No.</th>
<th>Condition</th>
<th>Compliance Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>The project authorities shall strictly adhere to the regulations made by the state government, State Pollution Control Board and any other statutory body.</td>
<td>Compliance to all legal conditions is being ensured.</td>
</tr>
<tr>
<td>II</td>
<td>No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal then these submitted then Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td></td>
<td>No further expansion beyond mentioned capacity of 4.0 lakh MT of paint and 1.6 lakh MT of Emulsion will be carried out without prior approval of Ministry of Environment and Forests and Himachal Pradesh State Pollution Control Board.</td>
<td></td>
</tr>
<tr>
<td>III</td>
<td>At no time the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td>IV</td>
<td>Levels of H/C and VOC at various probable locations in the ambient air will be monitored. Regular monitoring of H/C and VOC may be carried out in the ambient air in and around the plant.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td></td>
<td>Monitoring for levels of H/C and VOC is being carried out at various locations in the ambient air and report are enclosed as Annexure IV.</td>
<td></td>
</tr>
<tr>
<td>V</td>
<td>The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td></td>
<td>Ambient air quality monitoring is being conducted at various monitoring stations. Test reports for same are enclosed along with Annexure IV.</td>
<td></td>
</tr>
<tr>
<td>VI</td>
<td>Dedicated scrubbers and stack of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.</td>
<td>Noted and Complied</td>
</tr>
<tr>
<td></td>
<td>Scrubbers has been provided in induction stack and process equipment vents. Other vents does not need a scrubber.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Height of all the stacks is as per CPCB guidelines.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Scrubbed water is being sent to ETP for treatment.</td>
<td></td>
</tr>
</tbody>
</table>

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[Signature]
<table>
<thead>
<tr>
<th>SLNo</th>
<th>Condition</th>
<th>Compliance Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>VII</td>
<td>All the storage tanks shall be under negative pressure to avoid any leakage. Breather valves, N2 blanketing and secondary containment with leak detection system shall be provided for all storage tanks to minimum vapour losses. All liquid raw materials shall be stored in storage Tanks and Drums.</td>
<td>All breather, N2 blanketing (Only for solvents) and secondary containment with leak detection system has been provided for solvent storage and monomer storage tanks only. As all the solvents used in our process are having condensation point greater than 190°C (Cetane, normal water chilling system has been used.</td>
</tr>
<tr>
<td>VIII</td>
<td>The company shall undertake following Waste Minimization measures. # Pre-treatment and cleaning of active ingredients to minimize waste. # Route of by-products from the process as raw materials or as raw material substitutes in other processes. # Use of raw material filling to minimize spillage. # Use of &quot;Closed Feed&quot; system in batch reaction. # Venting equipments through vapor recovery system. # Use of high pressure boilers for equipment cleaning to reduce wastewater generation.</td>
<td># Reaction/Storage vessels are neutralised in the product. # Active ingredients are being added in closed loop manner in the equipment. # Automated filling system has been provided. # All liquid RA is being charged from storage tanks to process vessel in closed system. # Vapor recovery system has been provided for required processing equipments.</td>
</tr>
<tr>
<td>X</td>
<td>The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic booms, silencers, enclosures etc., on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1992 vide 75 dB(A) (day time) and 76 dB(A) (night time).</td>
<td>Compiled</td>
</tr>
<tr>
<td>XI</td>
<td>The company shall develop rain water harvesting structures to harvest the rain off water for recharge of ground water.</td>
<td>Compiled</td>
</tr>
<tr>
<td>XII</td>
<td>The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan shall be submitted to the SPCB within three months of receipt of this letter for approval.</td>
<td>Approved and Compiled</td>
</tr>
<tr>
<td>XIII</td>
<td>The project proponent shall also comply with all the environmental protection measures as stipulated in the EIA/EMP report.</td>
<td>Noted and Compiled</td>
</tr>
<tr>
<td>XIV</td>
<td>A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring services.</td>
<td>Noted and Compiled</td>
</tr>
<tr>
<td>SL.No</td>
<td>Condition</td>
<td>Compliance Status</td>
</tr>
<tr>
<td>-------</td>
<td>---------------------------------------------------------------------------</td>
<td>------------------------------------------</td>
</tr>
<tr>
<td>XVI</td>
<td>The implementation of the project will be environmental action plan shall be monitored by the concerned Regional Office of the Ministry/SCPCB/ CPCB. A six-monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.</td>
<td>Noted and compiled</td>
</tr>
<tr>
<td>XVI</td>
<td>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SCPCB and may also be seen at Website of the Ministry at <a href="http://envfor.nic.in">http://envfor.nic.in</a>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</td>
<td>Noted and Complied Press advertisement done in The Times of India (Chandigarh Edition) and Hindustan (Rohtak Edition) on 16th April 2006 and copy of the same was forwarded to concerned Regional Office of the Ministry.</td>
</tr>
<tr>
<td>XVII</td>
<td>The project authorities 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 and the date of start of the project.</td>
<td>Completed</td>
</tr>
</tbody>
</table>
Annexure - I
## Test Report

**ISSUED TO:**
Ms ASAIN PAINTS LIMITED  
Plot No.-31, INT, Kheri Suli,  
Khalack (Kashin) – 24801 India.

**SUBJECT:** PERSONAL SAMPLING  
**METHODS:** Based on NIOSH STD  
**INSTRUMENTS:** Handy Sampler, Charcoal Tube, GC.

**Sample Details:** PERSONAL SAMPLING  
**Sample Reference:** EIL/APL/R/10/19/WZ/AQ: 2631  
**Sample Collection Date:** 24/10/2019  
**Sample Reporting Date:** 30/10/2019

### Analysis Report

<table>
<thead>
<tr>
<th>Sampling Site</th>
<th>Unit</th>
<th>WPI Ground Floor (Old block)</th>
<th>Method</th>
<th>Standard/Norms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling Code</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH/Factories Act.</td>
<td>-</td>
</tr>
<tr>
<td>Average Operating Hours</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>-</td>
</tr>
<tr>
<td>Weather</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act.</td>
<td>50</td>
</tr>
<tr>
<td>Sampling Duration</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act.</td>
<td>50</td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act.</td>
<td>200</td>
</tr>
<tr>
<td>Lead</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act.</td>
<td>50</td>
</tr>
<tr>
<td>Chromium Metal and Insoluble Compound</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act.</td>
<td>25</td>
</tr>
<tr>
<td>MIBK</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>150</td>
</tr>
<tr>
<td>Styrene</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>400</td>
</tr>
<tr>
<td>Methanol</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>200</td>
</tr>
<tr>
<td>Ammonia</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Ethylene Oxide</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Xylene</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Phthalic Anhydride</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Toluene</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Cyclohexanol</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>50</td>
</tr>
<tr>
<td>TDI</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>0.02</td>
</tr>
<tr>
<td>Methyl methacrylate</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>100</td>
</tr>
<tr>
<td>2 EHA</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>50</td>
</tr>
<tr>
<td>Butanol</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>50</td>
</tr>
<tr>
<td>Butyl cellosolve</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>25</td>
</tr>
<tr>
<td>Ethyl cellosolve acetate</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>10</td>
</tr>
<tr>
<td>MTO</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>100</td>
</tr>
</tbody>
</table>

*Factory Act 1948/NIOSH, BDL: Below Detection Limit (<0.05).

Checked by: R.P. Madan

N.B.:  
- The Sample/Samples received shall be destroyed after 2 weeks unless specified otherwise.  
- The Results indicated only refer to the tested samples.  
- The Certificate shall not be used in any media or as evidence in the court of law without prior written consent of the laboratory.

Off. & Lab.: 139-139, Udyog Kendra-II Btm, Ecotech III, Greater Noida-201 308  
9891059866, 9910725668, 9910238845  
environinternational@gmail.com  
vijay_kumar@gmail.com  
www.environinternational.in

OHSAS: 18001: 2007
# ENVIRO-INTERNATIONAL

**Lab Recognition:** Ministry of Environment, Forest & Climate Change, Govt. of India

**Under Gazette Notification SO 2850 (E), S No. 32,**


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**TEST REPORT**

**ISSUED TO:**
M/s ASAIN PAINTS LIMITED
M/s N.S. I.M.T., Khirki Sahib,
Roshanpura (Haryana) - 240031 India.

**SUBJECT:** PERSONAL SAMPLING

**METHODS:** Based on NIOSH STD

**INSTRUMENTS:** Handy Sampler, Charcoal Tube, GC.

---

**Sample Details:** PERSONAL SAMPLING

**Sample Reference:** EII/AFL/R/19/18/WZAAC: 2632

**Sample Collection Date:** 24/10/2018

**Sample Reporting Date:** 30/10/2018

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## ANALYSIS REPORT

<table>
<thead>
<tr>
<th>SAMPLING SITE</th>
<th>UNIT</th>
<th>WFB GROUND FLOOR (New Block)</th>
<th>Method</th>
<th>STANDARD/NORMS NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>WZ - 28032</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Average Operating Hours</td>
<td>-</td>
<td>3 HR/6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weather</td>
<td>-</td>
<td>Normal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampling Duration</td>
<td>Minutes</td>
<td>450</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>°C</td>
<td>300</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lead</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH/OSHA Act</td>
<td>≤ 300 ppm</td>
</tr>
<tr>
<td>Chromium Metal and Insoluble Compound</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>≤ 25 ppm</td>
</tr>
<tr>
<td>MIBK</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Styrene</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>50 ppm</td>
</tr>
<tr>
<td>Methanol</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>200 ppm</td>
</tr>
<tr>
<td>Ammonia</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>≤ 25 ppm</td>
</tr>
<tr>
<td>Butyl Acetate</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>≤ 200 ppm</td>
</tr>
<tr>
<td>Ethylene Glyde</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>≤ 0.1 ppm</td>
</tr>
<tr>
<td>Xylene</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>Phenolic Anhydride</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>Toluene</td>
<td>ppm</td>
<td>BDL</td>
<td>Tolerable Act</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>Cyclohexanol</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>≤ 80 ppm</td>
</tr>
<tr>
<td>TDI</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>≤ 0.02 ppm</td>
</tr>
<tr>
<td>Methyl methacrylate</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>2 EHA</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>Butanol</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>≤ 100 ppm</td>
</tr>
<tr>
<td>Butyl cellosolve</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>≤ 25 ppm</td>
</tr>
<tr>
<td>Ethyl cellosolve acetate</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>≤ 10 ppm</td>
</tr>
<tr>
<td>MTO</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>≤ 100 ppm</td>
</tr>
</tbody>
</table>

*Factory Act '84 & NIOSH, BDL: Below Detection Limit <0.08 ppm.

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Checked
R.P. Mahesh

N.B.-
- This Sample/Samples received shall be destroyed after 2 weeks unless specified otherwise.
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Off. & Lab: 138-139, Udyog Kendra, Extn. Eco Tech-Ill, Greater Noida-201 306
g: 9810399564, 9810725560, 9810233068
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v: vijalkomar@gmail.com
l: www.envirointernational.in


OHSAS: 18001: 2007
**TEST REPORT**

**ISSUED TO:**
M/s ASAIN PAINTS LIMITED  
Plot No. 01, IMT, Inder Choudhary,  
Rohtak (Haryana) - 124001 Indial...

**SUBJECT:** PERSONAL SAMPLING  
**METHODS:** Based on NIOSH STD  
**INSTRUMENTS:** Handy Sampler, Charcoal Tube, GC

**Sample Details:** PERSONAL SAMPLING  
**Sample Reference:** ER/AGP-R/10/19/WZAAC: 2632  
**Sample Collection Date:** 24/10/2018  
**Sample Reporting Date:** 30/10/2018

**ANALYSIS REPORT**

<table>
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<tr>
<th>SAMPLING SITE</th>
<th>UNIT</th>
<th>WPH 4TH FLOOR (Old Block)</th>
<th>Method</th>
<th>STANDARD/NORMS</th>
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*Factory Act 1948/NIOSH, BDL : Below Detection Limit <0.05.*

**Checked:**
R.P. Marwah

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**Contact:**
- Of. & Lab. : 128-133, Udyog Kendra-II Estn, Eco Tech-II, Greater Noida-201 306  
- Ph : 9810953656, 9310233658  
- Email: enviromallionata@gmail.com  
- Instagram : @rupal_kumar4  
- www.envirointernational.in

**Certified:**
- OHSAS : 18001 : 2007
**ANALYSIS REPORT**

<table>
<thead>
<tr>
<th>SAMPLING SITE</th>
<th>UNIT</th>
<th>WPB 1ST FLOOR (New Block)</th>
<th>Method</th>
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*Factory Act 1948/NIOSH, BDL: Below Detection Limit <0.05.*

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**OHSAS: 18001: 2007**

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# Test Report

**Issued To:**
Ms. ASAIN PAINTS LIMITED
Plot No. 01, IMT, Kheri Sirah,
Rohtak (Haryana) - 240014 India.

**Subject:** PERSONAL SAMPLING
**Method:** Based on NIOSH STD
**Instruments:** Hairy Sampler, Charcoal Tube, GC

**Sample Details:** PERSONAL SAMPLING
**Sample Reference:** EIL/APE-H/10/18/WZAAC: 2635
**Sample Collection Date:** 24/10/2018
**Sample Reporting Date:** 30/10/2018

## Analysis Report

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*Factory Act 1948/NIOSH, BDL: Below Detection Limit <0.05. No Rota Detected.*

---

**Checked by:**
R.P. Marwah

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# ENVIRO-INTERNATIONAL

- Lab Recognition: Ministry of Environment, Forest & Climate Change, Govt. of India
- Under Gazette Notification SO 2850 (E), S No. 32

---

**TEST REPORT**

**ISSUED TO:**
M/s ASAIN PAINTS LIMITED
Plot No. - 01, INT, Kheri Sudh, Rohini (Haryana) - 240011 India.

**SUBJECT:** PERSONAL SAMPLING
**METHODS:** Based on NIOSH STD
**INSTRUMENTS:** Headly Sampler, Charcoal Tube, GC.

**Sample Details:** PERSONAL SAMPLING
**Sample Reference:** EIL/API - 8/10/18/WZAQC: 2636
**Sample Collection Date:** 24/10/2018
**Sample Reporting Date:** 30/10/2018

---

## ANALYSIS REPORT

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<th>Sampling Site</th>
<th>UNIT</th>
<th>WPB 1st FLOOR (New Block)</th>
<th>Method</th>
<th>STANDARD/NORMS NIOSH</th>
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*Factory Act 1948/NIOSH, BDL: Below Detection Limit <4.05. NO Not Detected

---

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R.P. Marwah

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OHSAS : 18001 : 2007
**ENVIRO-INTERNATIONAL**

Lab Recognition: Ministry of Environment, Forest & Climate Change, Govt. of India
Under Gazette Notification SO 2650 (E), S No. 32,

---

**TEST REPORT**

**ISSUED TO:**
VAASAIN PAINTS LIMITED
Plot No. - 01, INT. Kitchi Sain, Rohuk (Haryana) - 26301, India.

**SUBJECT:** PERSONAL SAMPLING

**METHODS**
Based on NIOSH Std.

**INSTRUMENTS:** Handy Sampler, Charcoal Tube, GC.

**Sample Details**
- **Sampling Code:** PERSONAL SAMPLING
- **Sample Reference:** ELV/PL/9/10/18/WZAAQ: 2639

**Sample Collection Date:** 25/10/2018

**Sample Reporting Date:** 30/10/2018

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**ANALYSIS REPORT**

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<td>NIOSH/Factory Act</td>
<td>-</td>
</tr>
<tr>
<td>Chromium Metal and Insoluble Compound</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>-</td>
</tr>
<tr>
<td>MIBK</td>
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<td>BDL</td>
<td>Factories Act</td>
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<tr>
<td>Styrene</td>
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<td>BDL</td>
<td>Factories Act</td>
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<td>Pesticides Act/NIOS</td>
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<td>Pesticides Act</td>
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<td>BDL</td>
<td>NIOSH</td>
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<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>-</td>
</tr>
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<td>Toluene</td>
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<td>BDL</td>
<td>Factories Act</td>
<td>100</td>
</tr>
<tr>
<td>Cyclohexanol</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>50</td>
</tr>
<tr>
<td>TOI</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>0.02</td>
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<td>Methyl methacrylate</td>
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<td>BDL</td>
<td>OSHA</td>
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</tr>
<tr>
<td>2 EHA</td>
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<td>BDL</td>
<td>OSHA</td>
<td>50</td>
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<tr>
<td>Butanol</td>
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<td>Butylic collasolve</td>
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<td>NIOSH</td>
<td>25</td>
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<tr>
<td>Ethyl collasolve acetate</td>
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</tr>
<tr>
<td>NTO</td>
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<td>NIOSH</td>
<td>100</td>
</tr>
</tbody>
</table>

*Factory Act 1948 (NIOSH), BDL: Below Detection Limit <0.36.

---

Checked:
R.P. Mohan

N.B.-
- The Sample/Samples received shall be destroyed after 2 weeks unless specified otherwise.
- The Result indicated only refer to the tested samples.
- The Certificate shall not be used in any media or as evidence in the court of law without prior written consent of the laboratory.

---

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E-mail : enviromolecular@gmail.com
vijay.kumar@pecnili.com
www.envirointernational.in

OHSAS : 18001 : 2007
## ENVIRO-INTERNATIONAL

Lab Recognition: Ministry of Environment, Forest & Climate Change, Govt. of India
Under Gazette Notification No. 2650 (E), S No. 32,

### TEST REPORT

**ISSUED TO:**
M/s ASAIN PAINTS LIMITED
Plot No. - 61, I.M.T. Kherki Daulat,
Rohtak (Haryana) - 24001 India.

**SUBJECT:** PERSONAL SAMPLING

**METHODS:** Based on NIOSH STD

**INSTRUMENTS:** Handy Sampler, Charcoal Tube, GC.

**Sample Details:** PERSONAL SAMPLING
**Sample Reference:** EIL/A/P/L-11/18/WZ/VAQ: 2639
**Sample Collection Date:** 25/10/2018
**Sample Reporting Date:** 30/10/2018

### ANALYSIS REPORT

<table>
<thead>
<tr>
<th>SAMPLING SITE</th>
<th>UNIT</th>
<th>Polymer 1st Floor (New Block)</th>
<th>Method</th>
<th>STANDARD NORMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sampling Code</td>
<td></td>
<td>WZ - 2639</td>
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<td></td>
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<tr>
<td>Average Operating Hours</td>
<td></td>
<td>3 Shift</td>
<td></td>
<td></td>
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<tr>
<td>Weather</td>
<td></td>
<td>Normal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sampling Duration</td>
<td>Minutes</td>
<td>480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ambient Temperature</td>
<td>°K</td>
<td>30S</td>
<td></td>
<td>NIOSH/Factor's Act</td>
</tr>
<tr>
<td>Lead</td>
<td>ppm</td>
<td>BDL</td>
<td></td>
<td>BDL: Below Detection Limit = 40.35</td>
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<td>BDL</td>
<td>OSHA</td>
<td></td>
</tr>
<tr>
<td>MIBK</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td>50</td>
</tr>
<tr>
<td>Styrene</td>
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<td>BDL</td>
<td>Factories Act</td>
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<tr>
<td>Methacryl</td>
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<td>Ammonia</td>
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<td>BDL</td>
<td>Factories Act</td>
<td>NIOSH/OSHA</td>
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<td>BDL</td>
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</tr>
<tr>
<td>Ethyl Acetate</td>
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<td>Factories Act</td>
<td>150</td>
</tr>
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<td>Ethylene Oxide</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
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<tr>
<td>Xylenes</td>
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<td>BDL</td>
<td>Factories Act</td>
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</tr>
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<td>Phthalic Anhydride</td>
<td>ppm</td>
<td>BDL</td>
<td>Factories Act</td>
<td></td>
</tr>
<tr>
<td>Toluene</td>
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<td>BDL</td>
<td>OSHA</td>
<td>50</td>
</tr>
<tr>
<td>TDI</td>
<td>ppm</td>
<td>BDL</td>
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<td>Methyl methacrylate</td>
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<td>BDL</td>
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<td>2 EHA</td>
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<td>Butyl cellosolve</td>
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<tr>
<td>MTO</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>100</td>
</tr>
</tbody>
</table>

*Factory Act 1948/NIOSH, BDL: Below Detection Limit = 40.35.

Checked:

R.P. Merwah

N.B.-:
- The Sample/Samples received shall be destroyed after 2 weeks unless specified otherwise.
- The Results indicated only refer to the tested samples.
- The Certificate shall not be used in any media or as evidence in the court of law without prior written consent of the laboratory.

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E: envirominaltest@gmail.com
W: vipul_kumar@gmail.com
W: www.envirointernational.in

OHSAS: 18001: 2007
**TEST REPORT**

**ENVIRO-INTERNATIONAL**

Lab Recognized: Ministry of Environment, Forest & Climate Change, Govt. of India
Under Gazette Notification SO 2450 (E), S No. 32,

**ISSUED TO:**
Ms. ASIAN PAINTS LIMITED
Plot No. - 81, 1ST, Khadi Sd.,
Rohitak (Haryana) - 240011 India.

**SUBJECT:** PERSONAL SAMPLING

**SAMPLE DETAILS:** PERSONAL SAMPLING
Sample Reference: El/HZ/APL/10/10/V2AAQ: 2649

**Sample Collection Date:** 25/10/2018
**Sample Reporting Date:** 30/10/2018

---

**ANALYSIS REPORT**

<table>
<thead>
<tr>
<th>SAMPLING SITE</th>
<th>UNIT</th>
<th>Polymer Blending Floor (Old Block)</th>
<th>Method</th>
<th>STANDARD/NORMS</th>
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<tbody>
<tr>
<td>Average Operating Hours</td>
<td>-</td>
<td>3 Shift</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Weather</td>
<td>-</td>
<td>Normal</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sampling Duration</td>
<td>-</td>
<td>480 Minutes</td>
<td>-</td>
<td>-</td>
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<td>Ambient Temperature</td>
<td>-</td>
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</tr>
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<td>Chromium Metal and Insoluble Compound</td>
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<td>BDL</td>
<td>OSHA</td>
<td>-</td>
</tr>
<tr>
<td>MIBK</td>
<td>ppm</td>
<td>BDL</td>
<td>Factors Act</td>
<td>50</td>
</tr>
<tr>
<td>Styrene</td>
<td>ppm</td>
<td>BDL</td>
<td>Factors Act</td>
<td>50</td>
</tr>
<tr>
<td>Methanol</td>
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<td>BDL</td>
<td>Factors Act</td>
<td>200</td>
</tr>
<tr>
<td>Ammonia</td>
<td>ppm</td>
<td>BDL</td>
<td>Factors Act</td>
<td>150</td>
</tr>
<tr>
<td>Butyl Acetate</td>
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<td>Factors Act</td>
<td>400</td>
</tr>
<tr>
<td>Ethyl Acetate</td>
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<td>Factors Act</td>
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</tr>
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<td>Factors Act</td>
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<td>Factors Act</td>
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<td>Toluene</td>
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<td>Factors Act</td>
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</tr>
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</tr>
<tr>
<td>TDI</td>
<td>ppm</td>
<td>BDL</td>
<td>OSHA</td>
<td>0.02</td>
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<tr>
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<td>OSHA</td>
<td>100</td>
</tr>
<tr>
<td>2 EHA</td>
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<td>BDL</td>
<td>OSHA</td>
<td>50</td>
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<td>OSHA</td>
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<td>NIOSH</td>
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<td>Ethyl cellulose acetate</td>
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<td>BDL</td>
<td>NIOSH</td>
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<tr>
<td>MTO</td>
<td>ppm</td>
<td>BDL</td>
<td>NIOSH</td>
<td>100</td>
</tr>
</tbody>
</table>

*Factory Act 1946/N/GBL, BDL: Below Detection Limit 40.06.

---

Checked by
R.P. Medwah

N.B.:• The Sample/Samples received shall be destroyed after 2 weeks unless specified otherwise.
• This result indicated only refer to the tested samples.
• The Certificate shall not be used in any media or as evidence in the court of law without prior written consent of the laboratory.

---

OFF. & Lab. : 138-139, Udyog Kendra-ll Extn, Eco Tech-lll, Greater Noida-201 306
Tel.: 011/9358568, 011/9299090, 011/2329868
E-Mail: envirointernational@gmail.com
Dr. Vipul Kumar
Lab In-Charge
B.Tech. (E&CE)
OHSAS: 18001: 2007
Annexure - II
TEST CERTIFICATE

Sample Description: Stack Emission (Boiler)

- Type of unit: Paint Industry
- Name of plant/section: Boiler Section
- Date of sampling: 18.03.2019
- Capacity of boiler: 2 TPH
- Source of Emission: Stack Attached to Boiler No. 501
- Instrument used: Stack Sampler ARM 160 (SR. No: 88-1TL - 2016)
- Instrument Calibration Status: Calibrated (upto 18-12-2019)
- Type of stack: Metal
- Type of fuel used: LPG
- Stack height (from the ground level): 30 meter
- Stack diameter (at the sampling point): 0.83 meter
- Location of sampling point: As per standard norms
- Purpose of sampling: Monitoring
- Sample collected by: By our lab representative
- Period of testing: 18.03.2019 to 22.03.2019

A. Observations:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack gas temperature, °C</td>
<td>123.0</td>
</tr>
<tr>
<td>2</td>
<td>Temperature at Metering point, °C</td>
<td>21.0</td>
</tr>
<tr>
<td>3</td>
<td>Avg. stack gas velocity, m/sec</td>
<td>6.98</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, l/min</td>
<td>23.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, m³/hr</td>
<td>9831.26</td>
</tr>
</tbody>
</table>

B. Results:

<table>
<thead>
<tr>
<th>S.No</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/Nm³</td>
<td>18.69*</td>
<td>IS 11228 (P-1): 1985</td>
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</tr>
<tr>
<td>2</td>
<td>Sulphur Dioxide (SO₂), mg/Nm³</td>
<td>13.09</td>
<td>SOP No. HTH/CH/5.4/2/CH-02/13</td>
<td>By Blue Gas Analyser</td>
</tr>
<tr>
<td>3</td>
<td>Oxides of Nitrogen (NOₓ), mg/Nm³</td>
<td>52.68</td>
<td>SOP No. HR/CH/5.4/2/CH-02/13</td>
<td>By Blue Gas Analyser</td>
</tr>
<tr>
<td>4</td>
<td>Carbon dioxide (CO₂), %</td>
<td>11.40</td>
<td>SOP No. HR/CH/5.4/2/CH-02/13</td>
<td>By Blue Gas Analyser</td>
</tr>
</tbody>
</table>

* Corrected to 12% CO₂

Mgr. (Lab.)/ Sr. Chemist

Note: 1. This report is not to be reproduced verbally or in part and cannot be used as an evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
**HARYANA TEST HOUSE**

**& Consultancy Services**

NABL ACCREDITED LABORATORY

80-4, Sector-35 Part-H, HUDA, PANIPAT-132104 (HR)

Web Site: www.haryanatemthouse.com, e-mail: info@haryanatemthouse.com, harylaboratoryinfo@gmail.com

Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001, 14001, 18001 Certified Lab.

Report No: 190318024  
**TEST CERTIFICATE**  
Date: 22.03.2019

**Issued to:**  
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

**Party's Ref No:** Nil  
**Job Order No:** HTH/CH/190318024, Dt.: 18.03.2019

**Sample Descriptions:** Stack Emission (Boiler)

<table>
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<tr>
<th>Description</th>
<th>Details</th>
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<tbody>
<tr>
<td>Type of unit</td>
<td>Paint Industry</td>
</tr>
<tr>
<td>Name of plant/section</td>
<td>Boiler Section</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>18.03.2019</td>
</tr>
<tr>
<td>Capacity of Boiler</td>
<td>2 TPH</td>
</tr>
<tr>
<td>Source of Emission</td>
<td>Stack Attached to Boiler No. 502</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Stack Sampler: APM 160 (Sr. No. 88-DTL-2016)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated (upto 18-12-2019)</td>
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<tr>
<td>Type of stack</td>
<td>Metal</td>
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<tr>
<td>Type of fuel used</td>
<td>HSD</td>
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<tr>
<td>Stack height (from the ground level)</td>
<td>30 meter</td>
</tr>
<tr>
<td>Stack diameter (at the sampling point)</td>
<td>0.83 meter</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>As per standard norms</td>
</tr>
<tr>
<td>Purpose of sampling</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Sample collected by</td>
<td>By our lab Representative</td>
</tr>
<tr>
<td>Period of testing</td>
<td>18.03.2019 to 22.03.2019</td>
</tr>
</tbody>
</table>

**A. Observations:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack gas temperature, °C</td>
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</tr>
<tr>
<td>2</td>
<td>Temperature at Mterning point, °C</td>
<td>21.0</td>
</tr>
<tr>
<td>3</td>
<td>Avg. stack gas velocity, m/sec</td>
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</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, L/min.</td>
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<td>5</td>
<td>Period of sampling, Minutes</td>
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</tr>
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<td>6</td>
<td>Volumetric flow rate, Nm³/hr</td>
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**B. Results:**

<table>
<thead>
<tr>
<th>S.No</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
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</thead>
<tbody>
<tr>
<td>1</td>
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<td>73.26*</td>
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<td>SOP No. HTH/CF/5.47/CH-02/23</td>
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<td>Oxides of Nitrogen (NO₂), mg/Nm³</td>
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</tr>
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<td>9.70</td>
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<td>SOP No. HTH/CF/5.47/CH-02/23</td>
</tr>
</tbody>
</table>

* Corrected to 12% CO₂

Mgr. (Lab.) /Sr. Chemist

**Note:**
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3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.

**Authorized Signatory**

(Pages 1 of 1)
HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY

Report No: 190318025

TEST CERTIFICATE

Date: 22.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref No: Nil
Job Order No: HTH/CH/190318025, Dt.: 18.03.2019

Sample Description: Stack Emission (Bolar)

<table>
<thead>
<tr>
<th>Type of unit:</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of plant/section:</td>
<td>Boiler Section</td>
</tr>
<tr>
<td>Date of sampling:</td>
<td>18.03.2019</td>
</tr>
<tr>
<td>Capacity of Boiler:</td>
<td>4 TPH</td>
</tr>
<tr>
<td>Source of Emission:</td>
<td>Stack Attached to Boiler No. 503</td>
</tr>
<tr>
<td>Instrument used:</td>
<td>Stack Sampler APM 160 (Sr. No. 88-DTL - 2016)</td>
</tr>
<tr>
<td>Instrument Calibration Status:</td>
<td>Calibrated (upto 18-12-2019)</td>
</tr>
<tr>
<td>Type of stack:</td>
<td>Metal</td>
</tr>
<tr>
<td>Type of fuel used:</td>
<td>HSD</td>
</tr>
<tr>
<td>Stack height (from the ground level):</td>
<td>30 meter</td>
</tr>
<tr>
<td>Stack diameter (at the sampling point):</td>
<td>0.83 meter</td>
</tr>
<tr>
<td>Location of sampling point:</td>
<td>As per standard norms</td>
</tr>
<tr>
<td>Purpose of sampling:</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Sample collected by:</td>
<td>By our lab. Representative</td>
</tr>
<tr>
<td>Period of testing:</td>
<td>18.03.2019 to 22.03.2019</td>
</tr>
</tbody>
</table>

A. Observations:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack gas temperature, °C</td>
<td>129.0</td>
</tr>
<tr>
<td>2</td>
<td>Temperature at Metering point, °C</td>
<td>21.0</td>
</tr>
<tr>
<td>3</td>
<td>Avg. stack gas velocity, m/sec</td>
<td>7.44</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, L/min.</td>
<td>24.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, Nm³/hr</td>
<td>10322.76</td>
</tr>
</tbody>
</table>

B. Results:

<table>
<thead>
<tr>
<th>S.No</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/Nm³</td>
<td>62.37*</td>
<td>8.00 max</td>
<td>SOP No. HTH/GF/5.4/1/Ch-02/23</td>
</tr>
<tr>
<td>2</td>
<td>Sulphur Dioxide (SO₂), mg/Nm³</td>
<td>5.24</td>
<td>&quot;</td>
<td>By Flue Gas Analyser</td>
</tr>
<tr>
<td>3</td>
<td>Oxides of Nitrogen (NOₓ), mg/Nm³</td>
<td>135.46</td>
<td>&quot;</td>
<td>SOP No. HTH/GF/5.4/1/Ch-02/23</td>
</tr>
<tr>
<td>4</td>
<td>Carbon dioxide (CO₂), %</td>
<td>9.40</td>
<td>&quot;</td>
<td>By Flue Gas Analyser</td>
</tr>
</tbody>
</table>

* Corrected to 12% CO₂

M/S (Signature) Sr. Chemist

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HARYANA TEST HOUSE

& Consultancy Services

NABL ACCREDITED LABORATORY

50-C, Sector-28, Part-II, HUDA, PANIPAT-132 104 (HARYANA)

Contact: M/S Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001, 14001, 18001 Certified Lab.

Report No: 190318026

TEST CERTIFICATE

Date: 23.03.2019

Issued to:
M/S Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref No: Nil
Job Order No: HTH/CH/190318026, Dt.: 18.03.2019

Sample Description: Stack Emission (DG)

Type of unit: Paint Industry
Name of plant/ section: DG Section
Date of sampling: 18.03.2019
Capacity of DG: 2000 KVA (DG CDCR 501)
Instrument used: Stack Sampler APM 160 (Sr.No. 88-DTL- 2016)
Instrument Calibration Status: Calibrated (upto 18-12-2019)
Type of stack: Metal
Type of fuel used: H.S.D.
Stack height (from the ground level): 30 meter
Stack diameter (at the sampling point): 0.45 meter
Location of sampling point: As per standard norms
Purpose of sampling: Monitoring
Sample collected by: By our lab Representative
Period of testing: 18.03.2019 to 23.03.2019

A. Observations:

S. No. | Particulars                     | Data Observed |
-------|---------------------------------|---------------|
1      | Stack gas temperature, °C      | 319.0         |
2      | Temperature at Metering point, °C | 21.0         |
3      | Avg. stack gas velocity, m/sec | 20.09         |
4      | Sampling flow rate, L/min.     | 15.0          |
5      | Period of sampling, Minutes    | 30.0          |
6      | Volumetric flow rate, m3/hr    | 5563.86       |

B. Results:

S.N. | Parameters                | Results | Standard Limits | Protocol Used |
-----|----------------------------|---------|-----------------|--------------|
1    | Particulate Matter (PM10), mg/Nm3 | 51.32   | 75 max          | IS 11755 (P-1): 1985 |
2    | Sulphur Dioxide (SO2), mg/Nm3 | 2.75    |                 | IS 11755 (P-3): 1985 |
3    | Oxides of Nitrogen (NOx), mg/Nm3 | 184.62  |                 | IS 11255 (P-1): 2005 |
4    | Carbon Monoxide (CO), mg/Nm3 | 93.70   | 150 max         | SOP No. HTH/16/07-76 |
5    | NMHC, mg/Nm3               | 26.37   | 100 max         | by GC-FID     |
6    | Oxygen % in flue gas       | 14.30   |                 |              |

Note: Parameter at Sr. 1 to 5 normalized at 15% Oxygen.

Mgr. (Lab.)/Sr. Chemist

Contact Nos.: 098896-00073 (Off./Acc.), 098861-75755 (Env.)

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**Haryana Test House**

& Consultancy Services

NABL ACCREDITED LABORATORY

54-C, Sector-25 Part-Il, HUDA, PANTPAT-121 104 (HR)

Contact: (O) 98677-70163, (O) 0180-2671472

Website: www.haryanatesthouse.net, E-mail: info@haryanatesthouse.net, haryana20test@gmail.com

Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001, 14001, 18001 Certified Lab.

---

**TEST CERTIFICATE**

Report No: 190318027

Date: 23.03.2019

Issued to: M/s Asian Paint Limited.,
Plot No. 1, Sector-30 B, IMT,
Rohtak [HR]

Party's Ref No: N/A

Job Order No: HTH/CH/190318027, Dt.: 18.03.2019

Sample Description: Stack Emission (DG)

- **Type of Unit**: Paint Industry
- **Name of plant/ section**: DG Section
- **Date of sampling**: 18.03.2019
- **Capacity of DG**: 100 TPA (DG CDCH 502)
- **Instrument used**: Stack Sampler APM 160 (Sr.No. 88-DTL – 2016)
- **Instrument Calibration Status**: Calibrated (upto 18-12-2019)
- **Type of stack**
- **Type of fuel used**: H.S.D.
- **Stack height (from the ground level)**: 30 meter
- **Stack diameter (at the sampling point)**: 0.35 meter
- **Location of sampling point**
- **Purpose of sampling**: As per standard norms
- **Sample collected by**: By our lab Representative
- **Period of testing**: 18.03.2019 to 23.03.2019

---

**A. Observations:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack gas temperature, °C</td>
<td>297.0</td>
</tr>
<tr>
<td>2</td>
<td>Temperature at Mouting point, °C</td>
<td>21.0</td>
</tr>
<tr>
<td>3</td>
<td>Avg. stack gas velocity, m/sec</td>
<td>19.39</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, L/min.</td>
<td>19.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, Nm³/hr</td>
<td>3373.90</td>
</tr>
</tbody>
</table>

---

**B. Results:**

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/m³</td>
<td>49.83</td>
<td>75 max</td>
<td>IS 11795 (P-11) : 1985</td>
</tr>
<tr>
<td>2</td>
<td>Sulphur Dioxide (SO₂), mg/m³</td>
<td>2.75</td>
<td>-</td>
<td>IS 11255 (P-2) : 1985</td>
</tr>
<tr>
<td>3</td>
<td>Oxides of Nitrogen (NOx), mg/m³</td>
<td>18.42</td>
<td>-</td>
<td>IS 11255 (P-7) : 2005</td>
</tr>
<tr>
<td>4</td>
<td>Carbon Monoxide (CO), mg/m³</td>
<td>103.31</td>
<td>150 max</td>
<td>SOP No. HTH/ EST/ 07-98</td>
</tr>
<tr>
<td>5</td>
<td>NMHC, mg/m³</td>
<td>24.69</td>
<td>100 max</td>
<td>By GC FID</td>
</tr>
<tr>
<td>6</td>
<td>Oxygen % in flue gas</td>
<td>14.30</td>
<td>-</td>
<td>By Flue Gas Analyzer</td>
</tr>
</tbody>
</table>

---

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**Mfg. (Lab.)/Sr. Chemist**

**Authorised Signatory**

(contact details and notes on the page)
TEST CERTIFICATE

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref No: Nil
Job Order No: HTH/CH/190318028, Dt.: 18.03.2019

Sample Description: Stack Emission (DG)

Type of unit: Paint Industry
Name of plant/section: DG Section
Date of sampling: 18.03.2019
Capacity of DG: 2000 KVA (DG CDCH 504)
Instrument used: Stack Sampler APM 160 (Sr.No. 88-OTL – 2016)
Instrument Calibration Status: Calibrated (upto 18-12-2019)
Type of stack: Metal
Type of fuel used: H.S.D.
Stack height (from the ground level): 30 meter
Stack diameter (at the sampling point): 0.45 meter
Location of sampling point: As per standard norms
Purpose of sampling: Monitoring
Sample collected by: By our lab Representative
Period of testing: 18.03.2019 to 23.03.2019

A. Observations:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack gas temperature, °C.</td>
<td>327.0</td>
</tr>
<tr>
<td>2</td>
<td>Temperature at Metering point, °C</td>
<td>21.0</td>
</tr>
<tr>
<td>3</td>
<td>Avg. stack gas velocity, m/sec</td>
<td>20.33</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, l/min.</td>
<td>19.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, Nm³/h</td>
<td>5555.25</td>
</tr>
</tbody>
</table>

B. Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/Nm²</td>
<td>54.70</td>
<td>75 max</td>
<td>IS 11255 (P-1) : 1985</td>
</tr>
<tr>
<td>2</td>
<td>Sulphur Dioxide (SO₂), mg/Nm³</td>
<td>5.49</td>
<td>--</td>
<td>IS 11255 (P-2) : 1985</td>
</tr>
<tr>
<td>3</td>
<td>Oxides of Nitrogen (NOₓ), mg/Nm³</td>
<td>196.15</td>
<td>--</td>
<td>IS 11255 [P-7] : 2005</td>
</tr>
<tr>
<td>4</td>
<td>Carbon Monoxide (CO), mg/Nm³</td>
<td>91.30</td>
<td>150 max</td>
<td>SDP Nu: HTH/18/07-75</td>
</tr>
<tr>
<td>5</td>
<td>NMHC, mg/Nm³</td>
<td>28.30</td>
<td>100 max</td>
<td>By GC-FID</td>
</tr>
<tr>
<td>6</td>
<td>Oxygen % in flue gas</td>
<td>14.30</td>
<td></td>
<td>By Flue Gas</td>
</tr>
</tbody>
</table>

Note: Parameters at Sr. 1 to 5 normalized at 15% Oxygen.

Mgr.(Lab.) / Sr. Chemist

Contact Nos.: 098966-06073 (Off. / Acc.), 098916-75756 (Env.)

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HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY

Report No: 190328031  TEST CERTIFICATE  Date: 30.03.2019

Issued to: M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak [HR]

Party's Ref No: Nil
Job Order No: HTH/CH/190328031, Dt.: 28.03.2019

Sample Description: Stack Emission (Dust Collector)

Type of Industry: Paint Industry
Name of Plant/ Section: Dust Collector
Date of sampling: 28.03.2019
Source of Emission: Stack Attached to Dust Collector No. 1
Instrument used: Stack Sampler APM 160 (Sr. No. 08-DDTL - 2016)
Instrument Calibration Status: Calibrated [upto 18-12-19]
Type of Chimney: Metal
Stack height (from the ground level): 8 feet
Stack diameter (at the sampling point): 12 inch
Location of sampling point: As per standard norms
Purpose of analysis: Monitoring
Type of AFOM Installed: Bag House
Period of testing: 28.03.2019 to 30.03.2019

A. OBSERVATIONS:

S. No.  
Particulars                     Date Observed
1  Stack Temperature, °C        28.0
2  Ambient Air Temperature, °C   22.0
3  Stack gas velocity, m/sec    5.03
4  Sampling flow rate, tt/min.   22.0
5  Period of sampling, Minutes  30.0
6  Volumetric flow rate, Nm^3/hr. 1256.97

B. RESULTS:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (CPCB)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/Nm^3</td>
<td>18.91</td>
<td>150 [max.]</td>
<td>IS 11255 (P-1): 1985</td>
</tr>
</tbody>
</table>

Mgr. (Lab.) Sr. Chemist

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HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY
80-C, Sector-25 Part-III, HUDA, PANIPAT-132104 (HR)
Web Site: www.haryanatesthouse.net, e-mail: info@haryanatesthouse.net, haryanatesthouse@gmail.com
Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001, 14001, 18001 Certified Lab.

Report No: 190328032

TEST CERTIFICATE
Date: 30.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party’s Ref No: Nil
Job Order No: HTH/CH/190328032, Dt.: 28.03.2019

Sample Description: Stack Emission (Dust Collector)

Type of Industry: Paint Industry
Name of Plant/Section: Dust Collector
Date of sampling: 28.03.2019
Source of Emission: Stack Attached to Dust Collector No. 2
Instrument used: Stack Sampler APM 160 (Sr. No. 88-DTL – 2016)
Instrument Calibration Status: Calibrated (upto 18-12-19)
Type of Chimney: Metal
Stack height (from the ground level): 8 feet
Stack diameter (at the sampling point): 12 Inch
Location of sampling point: As per standard norms
Purpose of analysis: Monitoring
Type of APFM Installed: Bag House
Period of testing: 28.03.2019 to 30.03.2019

A. OBSERVATIONS:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack Temperature, °C</td>
<td>31.0</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Air Temperature, °C</td>
<td>22.0</td>
</tr>
<tr>
<td>3</td>
<td>Stack gas velocity, m/sec</td>
<td>5.60</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, L/min</td>
<td>24.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, Nm³/hr</td>
<td>1385.60</td>
</tr>
</tbody>
</table>

B. RESULTS:

<table>
<thead>
<tr>
<th>S. No</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (CPCB)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/Nm³</td>
<td>16.43</td>
<td>≤50 max.</td>
<td>IS:11255 (P-1) : 1985</td>
</tr>
</tbody>
</table>

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Mgr. (Lab)/Sr. Chemist

[Authentication Signature]
**TEST CERTIFICATE**

**Report No:** 190328033  
**Date:** 30.03.2019

**Sample Description:** Stack Emission (Dust Collector)

<table>
<thead>
<tr>
<th>Type of Industry</th>
<th>Paint Industry:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Plant/ Section</td>
<td>Dust Collector</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>28.03.2019</td>
</tr>
<tr>
<td>Source of Emission</td>
<td>Stack Attached to Dust Collector No. 3</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Stack Sampler APM 160 (Sr.No. 88-0TL16-2016)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated (upto 18-12-19)</td>
</tr>
<tr>
<td>Type of Chimney</td>
<td>Metal</td>
</tr>
<tr>
<td>Stack height (from the ground Level)</td>
<td>8 feet</td>
</tr>
<tr>
<td>Stack diameter (at the sampling point)</td>
<td>12 inch</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>As per standard norms</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Type of APCM Installed</td>
<td>Bag House</td>
</tr>
<tr>
<td>Period of testing</td>
<td>28.03.2019 to 30.03.2019</td>
</tr>
</tbody>
</table>

**A. OBSERVATIONS:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack Temperature, °C</td>
<td>30.0</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Air Temperature, °C</td>
<td>22.0</td>
</tr>
<tr>
<td>3</td>
<td>Stack gas velocity, m/sec</td>
<td>4.69</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, l/min.</td>
<td>20.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, NM³/hr.</td>
<td>1164.27</td>
</tr>
</tbody>
</table>

**B. RESULTS:**

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Parameter</th>
<th>Results</th>
<th>Standard Limits (CPCB)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM), mg/NM³</td>
<td>14.83</td>
<td>150 mg.</td>
<td>IS 11235 (P-1): 1985</td>
</tr>
</tbody>
</table>

**Note:** 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.  
2. This report should not be used in any advertising media without our special permission in writing.  
3. Sample will be destroyed after one month from the date of issue of this certificate.  
4. The results are related to the test data only.
Report No: 190328034  TEST CERTIFICATE  Date: 30.03.2019

Sample Description: Stack Emission (Dust Collector)

<table>
<thead>
<tr>
<th>Type of Industry</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Plant/ Section</td>
<td>Dust Collector</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>28.03.2019</td>
</tr>
<tr>
<td>Source of Emission</td>
<td>Stack Attached to Dust Collector No. 4</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Stack Sampler APM 150 [Sr. No. 88-DTL – 2015]</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated (upto 18-12-19)</td>
</tr>
<tr>
<td>Type of Chimney</td>
<td>Metal</td>
</tr>
<tr>
<td>Stack height (from the ground level)</td>
<td>8 feet</td>
</tr>
<tr>
<td>Stack diameter (at the sampling point)</td>
<td>12 inch</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>As per standard norms</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Type of APCM installed</td>
<td>Bag House</td>
</tr>
<tr>
<td>Period of testing</td>
<td>28.03.2019 to 30.03.2019</td>
</tr>
</tbody>
</table>

A. OBSERVATIONS:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Particulars</th>
<th>Data Observed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Stack Temperature, °C</td>
<td>32.0</td>
</tr>
<tr>
<td>2</td>
<td>Ambient Air Temperature, °C</td>
<td>22.0</td>
</tr>
<tr>
<td>3</td>
<td>Stack gas velocity, m/sec</td>
<td>4.83</td>
</tr>
<tr>
<td>4</td>
<td>Sampling flow rate, L/min</td>
<td>20.0</td>
</tr>
<tr>
<td>5</td>
<td>Period of sampling, Minutes</td>
<td>30.0</td>
</tr>
<tr>
<td>6</td>
<td>Volumetric flow rate, Nm³/hr</td>
<td>1191.16</td>
</tr>
</tbody>
</table>

B. RESULTS:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (CPCB)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM10), mg/Nm³</td>
<td>13.97</td>
<td>15G max.</td>
<td>IS : 1265 (P+1) : 1985</td>
</tr>
</tbody>
</table>

Note:
1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issuance of test certificate.
4. The results are related to the last term only.
Report No: 190312020  

Date: 16.03.2019

Issued to:  
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

Party's Ref No: Nil  
Job Order No: HTH/CH/190312020, Dt.: 12.03.2019

Sample Description: Personal Sampling for RSPM

Type of unit: Paint Industry
Sample type: Monitoring of RSPM by Personal Sampler
Location of sampling point: Unloading Area Person
Instrument used: Personal Sampler (APM – 800)
Instrument Calibration Status: Calibrated (upto 27-04-2019)
Date of sampling: 11.03.2019
Purpose of analysis: Monitoring
Period of testing: 12.03.2019 to 16.03.2019

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/m³</td>
<td>4.712</td>
<td>5 (max.)</td>
<td>IS 1182 (Part-78) : 2005</td>
</tr>
</tbody>
</table>

Remarks: - Limits for Air Contaminants as per QSHA

Mgr.[Lab]/Sr. Chemist

Contact Nos: 098966-00073 (Cell/Asst.), 099918-75768 (Grv.)

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test batch only.
Report No: 190312021

<table>
<thead>
<tr>
<th>Sample Description: Personal Sampling for RSPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Party's Ref No: Nil</td>
</tr>
<tr>
<td>Job Order No: HTH/CH/190312021, Dt.: 12.03.2019</td>
</tr>
</tbody>
</table>

| Type of unit: | Paint Industry |
| Sample type: | Monitoring of RSPM by Personal Sampler |
| Location of sampling point: | APL Team Member (Near Charging Area) |
| Instrument used: | Personal Sampler (APM – 800) |
| Instrument Calibration Status: | Calibrated (upto 27-04-2019) |
| Date of sampling: | 11.03.2019 |
| Purpose of analysis: | Monitoring |
| Period of testing: | 12.03.2019 to 16.03.2019 |

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/ m³</td>
<td>3.542</td>
<td>5 (max.)</td>
<td>IS 5182 (Part-25) : 2006</td>
</tr>
</tbody>
</table>

Remarks: - Limits for Air Contaminants as per OSHA

Mrg. (Lab.)/ Sr. Chemist

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
Test Certificate

Report No: 190312022
Date: 16.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party’s Ref No: Nil
Job Order No: HTH/CH/190312022, Dt.: 12.03.2019

Sample Description: Personal Sampling for RSPM

<table>
<thead>
<tr>
<th>Type of unit</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample type</td>
<td>Monitoring of RSPM by Personal Sampler</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>Charging Area Person</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Personal Sampler (APM – 800)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated (upto 27-04-2019)</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>11.03.2019</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>12.03.2019 to 16.03.2019</td>
</tr>
</tbody>
</table>

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/m³</td>
<td>4.593</td>
<td>5 (max.)</td>
<td>IS 3182 (Part-23) : 2005</td>
</tr>
</tbody>
</table>

Remarks: - Limits for Air Contaminants as per OSHA

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our written permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.

[Signature]
Mgr. (Lab.) / Sr. Chemist

Contact Nos.: 098066-00073 (Off. / Acc.), 099916-75758 (Enq.)
TEST CERTIFICATE

Issued to: M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref No: Nil
Job Order No: HTH/CH/190312023, Dt.: 12.03.2019

Sample Description: Personal Sampling for RSPM

Type of unit: Paint Industry
Sample type: Monitoring of RSPM by Personal Sampler
Location of sampling point: APL Team Member (WIP)
Instrument used: Personal Sampler (APM - 800)
Instrument Calibration Status: Calibrated (upto 27-04-2019)
Date of sampling: 11.03.2019
Purpose of analysis: Monitoring
Period of testing: 12.03.2019 to 16.03.2019

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/ m³</td>
<td>1.703</td>
<td>5 (max)</td>
<td>IS 8142 (Part-23) : 2006</td>
</tr>
</tbody>
</table>

Remarks: Limits for Air Contaminants as per OSHA

Mfr. (Lab)/Sr. Chemist

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
**TEST CERTIFICATE**

Report No: 190312024  
Date: 16.03.2019

Issued to:  
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

Party's Ref No: Nil  
Job Order No: HTH/CH/190312024, Dt.: 12.03.2019

Sample Description: Personal Sampling for RSPM

<table>
<thead>
<tr>
<th>Type of unit</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample type</td>
<td>Monitoring of RSPM by Personal Sampler</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>M-4 Contract Person (WBP)</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Personal Sampler (APM - 800)</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>11.03.2019</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>12.03.2019 to 16.03.2019</td>
</tr>
</tbody>
</table>

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/m³</td>
<td>3.204</td>
<td>5 (max.)</td>
<td>IS 3818 Part-39: 2006</td>
</tr>
</tbody>
</table>

Remarks: Limits for Air Contaminants as per OSHA

Mgr. (Lab)/ Sr. Chemist

Contact Nos.: 098986-00073 (Off./Acc.), 099910-75758 (Env.)

Note: 1. This report is not to be reproduced whether in part or whole and cannot be used as an evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
Report No: 190312025
Date: 16.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref No: Nil
Job Order No: HTH/CH/190312025, Dt.: 12.03.2019

Sample Description: Personal Sampling for RSMP

Type of unit: Paint Industry
Sample type: Monitoring of RSMP by Personal Sampler
Location of sampling point: Fork lift Operator at Charging Area
Instrument used: Personal Sampler (APM = 800)
Instrument Calibration Status: Calibrated (upto 27-04-2019)
Date of sampling: 11.03.2019
Purpose of analysis: Monitoring
Period of testing: 12.03.2019 to 16.03.2019

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/m³</td>
<td>4.306</td>
<td>5 (max)</td>
<td>TSP182 (Part-25): 2006</td>
</tr>
</tbody>
</table>

Remarks: Limits for Air Contaminants as per OSHA

Mfr. (Lab.) / Sr. Chemist

Contact No.: 098966-00073 (Ofc./Acct.), 098966-75788 (Env.)

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.
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3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY

Report No: 190312026
Date: 16.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party’s Ref No: Nil
Job Order No: HTH/CH/190312026, DL: 12.03.2019

Sample Description: Personal Sampling for RSPM

<table>
<thead>
<tr>
<th>Type of unit</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample type</td>
<td>Monitoring of RSPM by Personal Sampler</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>Bag Folding Person</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Personal Sampler (APM – 800)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated (upto 27-04-2019)</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>11.03.2019</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>12.03.2019 to 16.03.2019</td>
</tr>
</tbody>
</table>

A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/m³</td>
<td>4.873</td>
<td>5 (max.)</td>
<td>IS:15212 (Part-21): 2006</td>
</tr>
</tbody>
</table>

Remarks: Limits for Air Contaminants as per OSHA

Contact No.: 098666-00073 (Off./Acc.), 098916-75756 (Env.)

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are relevant to the test limits only.
**HARYANA TEST HOUSE & Consultancy Services**

**Report No:** 190328024

**Issue to:** M/s Asian Paint Limited, Plot No. 1, Sector-30 B, IMT, Rohtak (HR)

**Party's Ref No:** Nil

**Job Order No:** HTH/CH/190328024, Dt.: 28.03.2019

**Sample Description:** Personal Sampling for RSPM

<table>
<thead>
<tr>
<th>Type of unit</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample type</td>
<td>Monitoring of RSPM by Personal Sampler</td>
</tr>
<tr>
<td>Location of sampling point</td>
<td>Unloading Area Person</td>
</tr>
<tr>
<td>Instrument used</td>
<td>Personal Sampler (APM - 800)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated (upto 27-04-2019)</td>
</tr>
<tr>
<td>Date of sampling</td>
<td>28.03.2019</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>28.03.2019 to 30.03.2019</td>
</tr>
</tbody>
</table>

### A. Test Results:

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Units</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Respirable Suspended Particulate Matter (RSPM), mg/m³</td>
<td>4.292</td>
<td>5 (max.)</td>
<td>IS:6183 (Part-21): 2008</td>
</tr>
</tbody>
</table>

Remarks: Limits for Air Contaminants as per OSHA

---

**Contact Nos:** 098968-00073 (Off./Acc.), 098916-78756 (Env.)

**Note:**
1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Samples will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
Annexure - III
Renewal

Certificate

Certificate No: CH1W1A0054

To Whomsoever it may concern

This is to certify that

ASIAN PAINTS LIMITED

PLOT NO - 01, SECTOR-30B,
IMT, VILLAGE - KHERISADH

ROHITAK

is a valid member of

Gujarat Enviro Protection & Infrastructure (Haryana) Pvt. Ltd.

for Integrated Common Hazardous Waste Management Facility.

This membership is valid for a period of

5 Years

Date of issue : 15/03/2016

Date of expiration : 14/03/2021

Place of issue : Sonipat

[Signature]

Director/Authorised Signatory

<table>
<thead>
<tr>
<th>SrNo</th>
<th>Type Of Waste</th>
<th>Sign Qty (TPA)</th>
<th>SrNo</th>
<th>Type Of Waste</th>
<th>Sign Qty (TPA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CHEMICAL SLUDGE</td>
<td>225,000</td>
<td>2</td>
<td>INCINERATION ASH.</td>
<td>10,000</td>
</tr>
<tr>
<td>3</td>
<td>INDUSTRIAL WASTE</td>
<td>100,000</td>
<td>4</td>
<td>MCFE10</td>
<td>15,000</td>
</tr>
<tr>
<td>5</td>
<td>WASTE PAINT</td>
<td>125,000</td>
<td>6</td>
<td>WASTE RESIDUE</td>
<td>50,000</td>
</tr>
</tbody>
</table>

Total Sign Qty (TPA): 525,000

SUBJECT TO FARIDABAD JURISDICTION
Annexure - IV
HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY
50-C, Sector-25 Part-II, HUDA, PANIPAT-132 104 (HR.)
Contact: (M) 98617-70140, (O) 0180-2971172
Web Site: www.haryanatesthouse.net; e-mail: info@haryanatesthouse.net, haryanatesthouse@gmail.com
Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001: 2001; 14001; 18001 Certified Lab.

TEST CERTIFICATE

Report No: 190312013
Date: 16.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref No: Nil
Job Order No: HTH/CH/190312013, Dt.: 12.03.2019

Sample Description: Ambient Air Quality Monitoring

<table>
<thead>
<tr>
<th>Type of industry</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of sampling &amp; time</td>
<td>11.03.2019 (10:00 Hrs) to 12.03.2019 (10:00 Hrs)</td>
</tr>
<tr>
<td>Sampling Location</td>
<td>Near ETP</td>
</tr>
<tr>
<td>Instrument Used</td>
<td>RDS Model APM-460 BTL (Sr. No. 2304-DTH-2018)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated upto 15-02-20</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>12.03.2019 to 16.03.2019</td>
</tr>
</tbody>
</table>

A. Observations:
1. Sampling flow rate (Avg.) : 1.22 m³/min
2. Total volume of air sampled : 1739.23 m³ (for RSPM)
3. Period of sampling : 24 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (NAAC)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM₁₀), µg/m³</td>
<td>86.13</td>
<td>100 max.</td>
<td>IS 1518 (Part-73) : 2005</td>
</tr>
<tr>
<td>2</td>
<td>Particulate Matter (PM₂₅), µg/m³</td>
<td>41.93</td>
<td>50 max.</td>
<td>By HTH/CF/3-A/3/CH/02/03</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur Dioxide (SO₂), µg/m³</td>
<td>20.09</td>
<td>80 max.</td>
<td>IS 1518 (Part-21) : 2001</td>
</tr>
<tr>
<td>4</td>
<td>Oxides of Nitrogen (NOₓ), µg/m³</td>
<td>33.36</td>
<td>40 max.</td>
<td>IS 1518 (Part-61) : 2006</td>
</tr>
<tr>
<td>5</td>
<td>Ammonia (NH₃), µg/m³</td>
<td>59.07</td>
<td>400 max.</td>
<td>By HTH/CF/3-A/3/CH/02/07</td>
</tr>
<tr>
<td>6</td>
<td>Lead (Pb), µg/m³</td>
<td>BD/L (0.02)</td>
<td>1.0 max.</td>
<td>IS 1518 (Part-21) : 2004</td>
</tr>
<tr>
<td>7</td>
<td>Ozone (O₃), µg/m³</td>
<td>29.34</td>
<td>100 max.</td>
<td>IS 1518 (Part-9) : 1974</td>
</tr>
<tr>
<td>8</td>
<td>Carbon Monoxide (CO), mg/m³</td>
<td>BD/L (1.14)</td>
<td>4 max.</td>
<td>IS 1822 (G-309/ GT CO METER)</td>
</tr>
<tr>
<td>9</td>
<td>Benzene (C₆H₆), µg/m³</td>
<td>BD/L (1.0)</td>
<td>5 max.</td>
<td>IS 1518 (Part-11) : 2006</td>
</tr>
<tr>
<td>10</td>
<td>Benzo-Pyrene (BaP), ng/m³</td>
<td>BD/L (0.2)</td>
<td>1 max.</td>
<td>IS 1518 (Part-12) : 2004</td>
</tr>
<tr>
<td>11</td>
<td>Nickel (Ni), ng/m³</td>
<td>BD/L (0.1)</td>
<td>20 max.</td>
<td>HTH/CF/3-A/3/CH/2/2019</td>
</tr>
<tr>
<td>12</td>
<td>Arsenic (As), ng/m³</td>
<td>BD/L (0.5)</td>
<td>6 max.</td>
<td>HTH/CF/3-A/3/CH/2/2019</td>
</tr>
</tbody>
</table>

Remarks:
- Standard limits are as per CPCL notification Nov. 2009
- BD/L : Below Detection limits / D/L : Detectable Limit

Mgr. (Lab.)/ Sr. Chemist

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3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
TEST CERTIFICATE

Report No: 190312014
Date: 16.03.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party’s Ref No: Nil
Job Order No: HTH/CH/190312014, Dt.: 12.03.2019

Sample Description: Ambient Air Quality Monitoring

<table>
<thead>
<tr>
<th>Type of industry</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of sampling &amp; time</td>
<td>11.03.2019 (10:30 Hrs) to 12.03.2019 (10:30 Hrs)</td>
</tr>
<tr>
<td>Sampling location</td>
<td>Near Gate No. 1</td>
</tr>
<tr>
<td>Instrument used</td>
<td>ROS Model APM-460 Bt (Sr. No. 2305-DTH-2018)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated upto 15-02-20</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>12.03.2019 to 16.03.2019</td>
</tr>
</tbody>
</table>

A. Observations:
1. Sampling flow rate (Avg.) | 1.22 m³/min |
2. Total volume of air sampled | 1730.65 m³ (for RSPM) |
3. Period of sampling | 24 Hrs. |

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (WAQIS)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM₁₀), μg/m³</td>
<td>91.58</td>
<td>100 max.</td>
<td>IS 5182 (Part-2) : 2005</td>
</tr>
<tr>
<td>2</td>
<td>Particulate Matter (PM₂₅), μg/m³</td>
<td>47.26</td>
<td>60 max.</td>
<td>IS 5182 (Part-2) : 2006</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur Dioxide (SO₂), mg/m³</td>
<td>18.93</td>
<td>80 max.</td>
<td>IS 5182 (Part-2) : 1994</td>
</tr>
<tr>
<td>4</td>
<td>Oxides of Nitrogen (NOₓ), μg/m³</td>
<td>28.09</td>
<td>80 max.</td>
<td>IS 5182 (Part-6) : 2006</td>
</tr>
<tr>
<td>5</td>
<td>Ammonia (NH₃), μg/m³</td>
<td>54.73</td>
<td>400 max.</td>
<td>IS 5182 (Part-6) : 2007</td>
</tr>
<tr>
<td>6</td>
<td>Lead (Pb), μg/m³</td>
<td>BDL (DL 0.02)</td>
<td>1.0 max.</td>
<td>IS 5182 (Part-22) : 2004</td>
</tr>
<tr>
<td>7</td>
<td>Ozone (O₃), μg/m³</td>
<td>27.87</td>
<td>100 max.</td>
<td>IS 5182 (Part-9) : 1974</td>
</tr>
<tr>
<td>8</td>
<td>Carbon Monoxide (CO), mg/m³</td>
<td>BDL (DL 1.14)</td>
<td>4 max.</td>
<td>IS 5182 (Part-10) : 1974</td>
</tr>
<tr>
<td>9</td>
<td>Benzene (C₆H₆), μg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 max.</td>
<td>IS 5182 (Part-11) : 2006</td>
</tr>
<tr>
<td>10</td>
<td>Benzo-Pyrene (BaP), mg/m³</td>
<td>BDL (DL 0.2)</td>
<td>1 max.</td>
<td>IS 5182 (Part-11) : 2004</td>
</tr>
<tr>
<td>11</td>
<td>Nickel (Ni), ng/m³</td>
<td>BDL (DL 1.0)</td>
<td>20 max.</td>
<td>HTH/CH/4/2/CH/2/20</td>
</tr>
<tr>
<td>12</td>
<td>Arsenic (As), μg/m³</td>
<td>BDL (DL 0.5)</td>
<td>6 max.</td>
<td>HTH/CH/4/2/CH/2/03</td>
</tr>
</tbody>
</table>

Remarks:
- Standard limits are as per CPCB Notification Nov. 2009
- BDL = Below Detection Limit / DL = Detected Limit

Authorized Signatory

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3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
# Test Certificate

**Report No:** 190328022  
**Date:** 30.03.2019

**Issued to:**  
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

**Party's Ref No:** Nil  
**Job Order No:** HTH/CH/190328022, Dt.: 28.03.2019

**Sample Description:** Ambient Air Quality Monitoring

**Type of Industry:** Paint Industry  
**Date of sampling & time:** 27.03.2019 (10:00 Hrs) to 28.03.2019 (10:00 Hrs)  
**Sampling location:** Near Gate No. 2  
**Instrument used:** ROS Model APM-460 8L (Sr. No. 2304-DTH-2018)  
**Instruments Calibration Status:** Calibrated upto 15-02-20  
**Purpose of analysis:** Monitoring  
**Period of testing:** 28.03.2019 to 30.03.2019

## A. Observations:

1. **Sampling flow rate (Avg.)**  
   - 1.23 m³/min
2. **Total volume of air sampled**  
   - 1754.45 m³ (for RSPM)
3. **Period of sampling**  
   - 24 Hrs.

## B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (NAQS)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM₁₀), µg/m³</td>
<td>85.38</td>
<td>100 max.</td>
<td>IS 5182 (Part-23) : 2006</td>
</tr>
<tr>
<td>2</td>
<td>Particulate Matter (PM₂₅), µg/m³</td>
<td>45.83</td>
<td>60 max.</td>
<td>IS 5182 (Part-23) : 2006</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur Dioxide (SO₂), µg/m³</td>
<td>18.97</td>
<td>80 max.</td>
<td>IS 5182 (Part-7) : 2001</td>
</tr>
<tr>
<td>4</td>
<td>Oxides of Nitrogen (NO₂), µg/m³</td>
<td>34.80</td>
<td>80 max.</td>
<td>IS 5182 (Part-9) : 2009</td>
</tr>
<tr>
<td>5</td>
<td>Ammonia (NH₃), µg/m³</td>
<td>69.21</td>
<td>400 max.</td>
<td>IS 5182 (Part-23) : 2004</td>
</tr>
<tr>
<td>6</td>
<td>Lead (Pb), µg/m³</td>
<td>BDL (DL.0.02)</td>
<td>1.0 max.</td>
<td>IS 5182 (Part-7) : 1974</td>
</tr>
<tr>
<td>7</td>
<td>Ozone (O₃), µg/m³</td>
<td>28.07</td>
<td>100 max.</td>
<td>IS 5182 (Part-9) : 2004</td>
</tr>
<tr>
<td>8</td>
<td>Carbon Monoxide (CO), mg/m³</td>
<td>BDL (DL.1.14)</td>
<td>4 max.</td>
<td>IS 5182 (Part-10) : 2001</td>
</tr>
<tr>
<td>9</td>
<td>Benzene (C₆H₆), µg/m³</td>
<td>BDL (DL.1.0)</td>
<td>5 max.</td>
<td>IS 5182 (Part-12) : 2009</td>
</tr>
<tr>
<td>10</td>
<td>Benzo-Pyrene (BaP), ng/m³</td>
<td>BDL (DL.0.2)</td>
<td>1 max.</td>
<td>IS 5182 (Part-12) : 2004</td>
</tr>
<tr>
<td>11</td>
<td>Nickel (Ni), ng/m³</td>
<td>BDL (DL.1.0)</td>
<td>20 max.</td>
<td>HTH/OIF/A/2/CH-2/08</td>
</tr>
<tr>
<td>12</td>
<td>Arsenic (As), ng/m³</td>
<td>BDL (DL.0.5)</td>
<td>6 max.</td>
<td>HTH/OIF/A/2/CH-2/08</td>
</tr>
</tbody>
</table>

**Remarks:**  
- Standard limits are as per CPCB notification Nov. 2009  
- BDL: Below Detection Limit / DL: Detected Limit

---

**Note:**  
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2. This report should not be used in any legal action without our special permission in writing.  
3. Sample will be destroyed after one month from the date of issue of test certificate.  
4. The results are related to the test items only.  

**Manager (Lab.):** Sr. Chemist  
**Authorised Signatory**

---

**Contact Nos.:** 098666-00078 (Off.), 090915-72758 (Emm.)
# Test Certificate

**Report No:** 190328023

**Issued to:**
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

**Party's Ref No:** Nil

**Job Order No:** HTH/CH/190328023, Dt.: 28.03.2019

**Sample Description:** Ambient Air Quality Monitoring

<table>
<thead>
<tr>
<th>Type of Industry</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of sampling &amp; time</td>
<td>27.03.2019 (10:30 Hrs) to 28.03.2019 (10:30 Hrs)</td>
</tr>
<tr>
<td>Sampling location</td>
<td>Near Gate No. 3</td>
</tr>
<tr>
<td>Instrument used</td>
<td>RDS Model APM-460 BL (Sr. No. 2305-DTH-2018)</td>
</tr>
<tr>
<td>Instrument Calibration Status</td>
<td>Calibrated upto 15-02-20</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>28.03.2019 to 30.03.2019</td>
</tr>
</tbody>
</table>

**A. Observations:**

1. **Sampling flow rate (Avg.)** 1.22 m³/min
2. **Total volume of air sampled** 1748.14 m³ (for RSPM)
3. **Period of sampling** 24 hrs.

**B. Test Results:**

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits (NAAQS)</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Particulate Matter (PM₁₀), µg/m³</td>
<td>91.67</td>
<td>100 max.</td>
<td>IS 2182 (Part-23); 2006</td>
</tr>
<tr>
<td>2</td>
<td>Particulate Matter (PM₂₅), µg/m³</td>
<td>49.83</td>
<td>60 max.</td>
<td>IS 5182 (Part-2) ; 2000</td>
</tr>
<tr>
<td>3</td>
<td>Sulphur Dioxide (SO₂), µg/m³</td>
<td>20.21</td>
<td>80 max.</td>
<td>IS 2182 (Part-6); 2006</td>
</tr>
<tr>
<td>4</td>
<td>Oxides of Nitrogen (NOₓ), µg/m³</td>
<td>36.41</td>
<td>80 max.</td>
<td>IS 2182 (Part-6); 2006</td>
</tr>
<tr>
<td>5</td>
<td>Ammonia (NH₃), µg/m³</td>
<td>70.55</td>
<td>400 max.</td>
<td>IS 2182 (Part-6); 2006</td>
</tr>
<tr>
<td>6</td>
<td>Lead (Pb), µg/m³</td>
<td>BDL (DL 0.02)</td>
<td>1.0 max.</td>
<td>IS 2182 (Part-2); 2004</td>
</tr>
<tr>
<td>7</td>
<td>Ozone (O₃), µg/m³</td>
<td>25.12</td>
<td>100 max.</td>
<td>IS 2182 (Part-9); 1974</td>
</tr>
<tr>
<td>8</td>
<td>Carbon Monoxide (CO), mg/m³</td>
<td>BDL (DL 1.14)</td>
<td>4 max.</td>
<td>IS 2182 (P-20)/ BY CO METER</td>
</tr>
<tr>
<td>9</td>
<td>Benzene (C₆H₆), µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 max.</td>
<td>IS 2182 (Part-11); 2006</td>
</tr>
<tr>
<td>10</td>
<td>Benzo-Pyrene (BaP), ng/m³</td>
<td>BDL (DL 0.2)</td>
<td>1 max.</td>
<td>IS 5182 (Part-12); 2004</td>
</tr>
<tr>
<td>11</td>
<td>Nickel (Ni), ng/m³</td>
<td>BDL (DL 1.0)</td>
<td>20 max.</td>
<td>HPT/ G/5-4/2/CH-2/09</td>
</tr>
<tr>
<td>12</td>
<td>Arsenic (As), ng/m³</td>
<td>BDL (DL 0.5)</td>
<td>6 max.</td>
<td>HPT/ G/5-4/2/CH-2/09</td>
</tr>
</tbody>
</table>

**Remarks:**
- Standard limits are as per CPCB notification Nov. 2009
- BDL : Below Detection Limits / DL : Detected Limit

**Mgr. (Lab.)/Sr. Chemist**

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4. The results are related to the test items only.
TEST CERTIFICATE

Report No: 190128044  Date: 01.02.2019

Issued to: M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party's Ref. No: Nil
Job Order No: HTH/M/190128044, Dt.: 28.01.2019

Sample Description: Ambient Air (VOC Monitoring)

Type of industry: Paint Industry
Date of sampling: 27.01.2019
Sampling location: Near Gate No- 3
Purpose of analysis: Monitoring
Period of testing: 28.01.2019 to 01.02.2019

A. Observations:
1. Sampling flow rate (Avg.): 0.30 LPM
2. Total volume of air sampled: 0.018 m³ (for VOC)
3. Period of sampling: 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Benzene, μg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 [min]</td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>- Toluene, μg/m³</td>
<td>BDL (DL 0.5)</td>
<td></td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>- Xylene, μg/m³</td>
<td>BDL (DL 1.0)</td>
<td></td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
</tbody>
</table>

Remarks:
- BDL: Below Detectable Limit
- DL: Detectable Limit

Mgr. (Lab.)/ Sr. Chemist

Contact No.: 098686-00073 (Off./ Mob.), 098915-75758 (Env.)

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4. The results are related to the last item only.
Date: 01.02.2019

Issued to:  
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR).

Party's Ref. No: Nil  
Job Order No: HTH/M/190128045, Dt.: 28.01.2019

Sample Description: Ambient Air (VOC Monitoring)

Type of industry: Paint Industry  
Date of sampling: 27.01.2019  
Sampling location: Near ETP  
Purpose of analysis: Monitoring  
Period of testing: 28.01.2019 to 01.02.2019

A. Observations:

1. Sampling flow rate (Avg.): 0.40 LPM
2. Total volume of air sampled: 0.024 m³ (for VOC.)
3. Period of sampling: 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 5182 (Part-11): 2008</td>
</tr>
<tr>
<td></td>
<td>- Benzene, µg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td></td>
<td>IS 5182 (Part-11): 2008</td>
</tr>
<tr>
<td></td>
<td>- Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td></td>
<td>IS 5182 (Part-11): 2008</td>
</tr>
</tbody>
</table>

Remarks:
- BDL: Below Detectable Limit.
- DL: Detectable Limit.

Mgt. (Lab.)/ Sr. Chemist  
Authorized Signatory

Contact Nos: 098686-90073 (Off./Acc.), 099916-75795 (End.)

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.  
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4. The results are related to the last items only.
HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY
58-C, Sector-35 Part-II, HUDA, PANTIPAHAR 122 001 (HR.)
Web Site: www.haryanatesthouse.com, E-mail: info@haryanatesthouse.net, haryanatesthouse@gmail.com
Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001, 14001, 18001 Certified Lab.

TEST CERTIFICATE

Report No: 190128046                                      Date: 01.02.2019

Issued to: M/s Asian Paint Limited, Plot No. 1, Sector-30 B, IMT, Rohitak (HR.)

Party's Ref. No: Nil
Job Order No: HTH/M/190128046, Dt.: 28.01.2019

Sample Description: Ambient Air (VOC Monitoring)

| Type of Industry          | Paint Industry          |
| Date of sampling          | 27.01.2019              |
| Sampling location         | Near RMG                |
| Purpose of analysis       | Monitoring              |
| Period of testing         | 28.01.2019 to 01.02.2019|

A. Observations:
1. Sampling flow rate (Avg.) : 0.30 LPM
2. Total volume of air sampled : 0.019 m³ (for VOC)
3. Period of sampling : 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 5182 (Part-11) : 2006</td>
</tr>
<tr>
<td></td>
<td>- Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 5182 (Part-11) : 2006</td>
</tr>
<tr>
<td></td>
<td>- Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td>15 (max.)</td>
<td>IS 5182 (Part-12) : 2006</td>
</tr>
<tr>
<td></td>
<td>- Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>10 (max.)</td>
<td>IS 5182 (Part-11) : 2006</td>
</tr>
</tbody>
</table>

Remarks:
- BDL : Below Detectable Limit.
- DL : Detectable Limit.

Mgr. (Lab.)/ Sr. Chemist

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4. The results are related to the test items only.
**Test Certificate**

**Issued to:**
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

**Party's Ref. No:** NII  
**Job Order No:** HTH/M/190128047, Dated: 28.01.2019

**Sample Description:** Ambient Air (VOC Monitoring)

**Type of Industry:** Paint Industry  
**Date of sampling:** 27.01.2019  
**Sampling location:** Near Green Belt-4  
**Purpose of analysis:** Monitoring  
**Period of testing:** 28.01.2019 to 01.02.2019

**A. Observations:**

1. **Sampling flow rate (Avg.)** : 0.30 LPM  
2. **Total volume of air sampled** : 0.018 m³  
3. **Period of sampling** : 1 Hrs.

**B. Test Results:**

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>- Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td></td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>- Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td></td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
</tbody>
</table>

**Remarks:**
- BDL: Below Detectable Limit.
- DL: Detectable Limit.

**Authorised Signature**

**Contact No:** 098966-00073 (Off./Acc.), 098948-75758 (Env.)

**Note:** 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.  
2. This report should not be used in any advertising media without our special permission in writing.  
3. Samples will be destroyed after one month from the date of issue of this certificate.  
4. The results are related to the test items only.
## TEST CERTIFICATE

**Report No:** 190128048  
**Date:** 01.02.2019

**Issued to:**  
M/s Asian Paint Limited,  
Plot No. 1, Sector-30 B, IMT,  
Rohtak (HR)

**Party’s Ref. No:** Nil  
**Job Order No:** HTH/M/190128048, Dt.: 28.01.2019

**Sample Description:** Ambient Air (VOC Monitoring)

---

<table>
<thead>
<tr>
<th>Type of industry</th>
<th>Paint Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of sampling</td>
<td>27.01.2019</td>
</tr>
<tr>
<td>Sampling location</td>
<td>Near Engg. Store</td>
</tr>
<tr>
<td>Purpose of analysis</td>
<td>Monitoring</td>
</tr>
<tr>
<td>Period of testing</td>
<td>28.01.2019 to 01.02.2019</td>
</tr>
</tbody>
</table>

### A. Observations:

1. **Sampling flow rate (Avg.)**  
   0.30 LPM
2. **Total volume of air sampled**  
   0.018 m³ (for VOC.)
3. **Period of sampling**  
   1 Hrs.

### B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td>--</td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>--</td>
<td>IS 5182 (Part-11): 2006</td>
</tr>
</tbody>
</table>

**Remark:**  
BDL: Below Detectable Limit  
DL: Detectable Limit

---

**Mgr. (Lab.)/ Sr. Chemist**

**Authorised Signature**

---

**Contact Nos.:** 098966-00073 (Off./Acc.), 098901-75756 (Enq.)

---

**Note:** 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in any court of law.  
2. This report should not be used in any advertising media without our special permission in writing.  
3. Sample will be destroyed after one month from the date of issue of test certificate.  
4. The results are related to the test items only.
Report No: 190128049

Date: 01.02.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party’s Ref. No: Nil
Job Order No: HTH/M/190128049, Dt.: 28.01.2019

Sample Description: Ambient Air (VOC Monitoring)

Type of industry: Paint Industry
Date of sampling: 27.01.2019
Sampling location: Near Storm Water Tank
Purpose of analysis: Monitoring
Period of testing: 28.01.2019 to 01.02.2019

A. Observations:
1. Sampling flow rate (Avg.): 0.40 LPM
2. Total volume of air sampled: 0.024 m³ (for VOC)
3. Period of sampling: 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS S182 (Part-11) : 2006</td>
</tr>
<tr>
<td></td>
<td>- Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td>--</td>
<td>IS S182 (Part-11) : 2006</td>
</tr>
<tr>
<td></td>
<td>- Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>--</td>
<td>IS S182 (Part-11) : 2006</td>
</tr>
</tbody>
</table>

Remarks:
- BDL: Below Detectable Limit.
- DL: Detectable Limit.

Authorized Signatory

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
2. This report should not be used in any advertising media without our special permission in writing.
3. Samples will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the last line only.

Mgr. (Lab.)/ Sr. Chemist

Contact Nos: 098968-00073 (Off./Acc.), 099916-75758 (Env.)
HARYANA TEST HOUSE
& Consultancy Services
NABL ACCREDITED LABORATORY
5B-C, Sector-35 Part-II, HUDA, PANCHKULA 134 104 (HR)
Contact: (M) 98937-70460, (O) 01-40-667112
Web Site: www.haryanatesthouse.net, e-mail: info@haryanatesthouse.net, haryanatesthouse@gmail.com
Recognition / Accreditation: NABL / MoEF / FSSAI / BIS / PPCB / HSPCB / ISO 9001, 14001, 16001 Certified Lab.

TEST CERTIFICATE

Report No: 190128050
Date: 01.02.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-30 B, IMT,
Rohtak (HR)

Party’s Ref. No: Nil
Job Order No: HTH/M/190128050, Dt: 28.01.2019

Sample Description: Ambient Air (VOC Monitoring)

Type of Industry: Paint Industry
Date of sampling: 27.01.2019
Sampling location: Near Fire Pump House
Purpose of analysis: Monitoring
Period of testing: 28.01.2019 to 01.02.2019

A. Observations:
1. Sampling flow rate (Avg.): 0.30 LPM
2. Total volume of air sampled: 0.018 m³ (for VOC)
3. Period of sampling: 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>IS 5162 (Part-11) : 2006</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td>IS 5162 (Part-11) : 2006</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>IS 5162 (Part-11) : 2006</td>
<td></td>
</tr>
</tbody>
</table>

Remarks:
- BDL: Below Detectable Limit.
- DL: Detectable Limit.

Mgr. (Lab)/Sr. Chemist

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2. This report should not be used in any advertising medium without our special permission in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
Report No: 190128051
Date: 01.02.2019

Sample Description: Ambient Air (VOC Monitoring)

Type of industry: Paint Industry
Date of sampling: 27.01.2019
Sampling location: Near ETP Watch Tower
Purpose of analysis: Monitoring
Period of testing: 28.01.2019 to 01.02.2019

A. Observations:
1. Sampling flow rate (Avg.): 0.40 LPM
2. Total volume of air sampled: 0.024 m³ (for VOC)
3. Period of sampling: 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 15282 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td></td>
<td>IS 15282 (Part-11): 2006</td>
</tr>
<tr>
<td></td>
<td>Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td></td>
<td>IS 15282 (Part-11): 2006</td>
</tr>
</tbody>
</table>

Remarks:
- BDL: Below Detectable Limit.
- DL: Detectable Limit.

Mgr. (Engr./ Sr. Chemist)

Authorized Signatory

Contact Nos: 098666-00075 (Olf./Acc.), 09916-75765 (Envi.)

Note: 1. This report is not to be reproduced wholly or in part and cannot be used as an evidence in the court of law.
2. This report should not be used in any show trials, unless our special procedures in writing.
3. Sample will be destroyed after one month from the date of issue of test certificate.
4. The results are related to the test items only.
**TEST CERTIFICATE**

Report No: 190130047  
Date: 04.02.2019

**Sample Description:** Ambient Air (VOC Monitoring)

- **Type of industry:** Paint Industry  
- **Date of sampling:** 29.01.2019  
- **Sampling location:** Near Gate No-2 (Tanker Sampling Area Location-1)  
- **Purpose of analysis:** Monitoring  
- **Period of testing:** 30.01.2019 to 04.02.2019

**A. Observations:**

1. **Sampling flow rate (Avg.):** 0.30 LPM  
2. **Total volume of air sampled:** 0.018 m³ (for VOC)  
3. **Period of sampling:** 1 Hrs.

**B. Test Results:**

<table>
<thead>
<tr>
<th>Sr. No. Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Benzene, µg/m³</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>- Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td>IS 5182 (Part 11): 2006</td>
<td></td>
</tr>
<tr>
<td>- Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>IS 5182 (Part 11): 2006</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**
- BDL: Below Detectable Limit.
- DL: Detectable Limit.

**MGR. (Lab.) / Sr. Chemist**

**Authorised Signatory**
TEST CERTIFICATE

Report No: 190130048
Date: 04.02.2019

Issued to:
M/s Asian Paint Limited,
Plot No. 1, Sector-36 B, IMT,
Rohtak (HR)

Party's Ref. No: Nil
Job Order No: HTH/CH/190130048, Dt.: 30.01.2019

Sample Description: Ambient Air (VOC Monitoring)

Type of Industry : Paint Industry
Date of sampling : 29.01.2019
Sampling location : Near Gate No-2 (Tanker Sampling Area Location-2)
Purpose of analysis : Monitoring
Period of testing : 30.01.2019 to 04.02.2019

A. Observations:
1. Sampling flow rate (Avg.) : 0.30 LPM
2. Total volume of air sampled : 0.018 m³ (for VOC)
3. Period of sampling : 1 Hrs.

B. Test Results:

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Parameters</th>
<th>Results</th>
<th>Standard Limits</th>
<th>Protocol Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volatile Organic Compound (VOC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Benzene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td>5 (max.)</td>
<td>IS 1582 (Part-11) : 2006</td>
</tr>
<tr>
<td></td>
<td>Toluene, µg/m³</td>
<td>BDL (DL 0.5)</td>
<td></td>
<td>IS 1582 (Part-11) : 2006</td>
</tr>
<tr>
<td></td>
<td>Xylene, µg/m³</td>
<td>BDL (DL 1.0)</td>
<td></td>
<td>IS 1582 (Part-11) : 2006</td>
</tr>
</tbody>
</table>

Remarks:
- BDL: Below Detectable Limit.
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Mgr. (Lab) / Sr. Chemist

[Authorised Signatory]

[Page 1 of 1]

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3. Sample will be dispatched after one month from the date of issue of test certificate.
4. The results are related to the test done only.
Annexure - V
<table>
<thead>
<tr>
<th>Monitoring Station</th>
<th>Day</th>
<th>Night</th>
<th>Standard*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Pump House Back Side</td>
<td>46</td>
<td>41</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>Gate No – 02</td>
<td>57</td>
<td>40</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>RMG Pack</td>
<td>46</td>
<td>39</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>Engineering Store</td>
<td>43</td>
<td>37</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>Gate No – 01</td>
<td>51</td>
<td>42</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>PMG Back Side</td>
<td>47</td>
<td>40</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>Green Belt Area</td>
<td>45</td>
<td>38</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>ETP Watch Tower</td>
<td>43</td>
<td>41</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>Gate No – 03</td>
<td>51</td>
<td>36</td>
<td>75 (Day),  70 (Night)</td>
</tr>
<tr>
<td>Storm Water Tank</td>
<td>41</td>
<td>34</td>
<td>75 (Day),  70 (Night)</td>
</tr>
</tbody>
</table>

*Unit: dB(A) Eq.

Sample Details: Noise
Sample Reference: EIL/APL-R/01/19/AN – 5479 to 5498
Sample Collection Date: 04/01/2019
Sample Reporting Date: 05/01/2019

ISSUED TO: N/A SAIN PAINTS LIMITED
Plot No. – B1, IIT, Kheti Sidhi, Bhandari (Hariganga) – 240011, India.

SUBJECT: NOISE MONITORING
PRINCIPLE & METHODS: Based on BPA-88 Eq.
INSTRUMENTS: Noise Level Meter N 700543/SL-4012/CLB/CC-P

Dr. Vijay Kumar
D.S. 
Lab-To-Charge
### ISSUED TO:
Miss AASIN PAINTS LIMITED
Plot No.-91, IMT, Kheri Sath,
Rohtak (Haryana)-124001 India.

---

### D.G. NOISE (DG Room – 01)/5472-5473

<table>
<thead>
<tr>
<th>Date of Monitoring</th>
<th>04/01/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time of Monitoring (In Min)</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Stack Height (Ground)</td>
<td>30.09 meters</td>
</tr>
<tr>
<td>Operating Criteria</td>
<td>Noise monitoring during D.G. Set under operation.</td>
</tr>
</tbody>
</table>

### Monitoring Location

<table>
<thead>
<tr>
<th>Monitoring Location</th>
<th>Unit</th>
<th>Equivalent Sound Level</th>
<th>Insertion Loss</th>
<th>Standard Insertion Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 m from DG Set Room</td>
<td>dBA Leq.</td>
<td>63</td>
<td>26</td>
<td>More than 25 dBA Leq</td>
</tr>
<tr>
<td>At DG set No.01/2000 KVA [DG Room Inside]</td>
<td>dBA Leq.</td>
<td>89</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Standard Followed:
a) EPA 1986/ CPCB Norm

### Noise Source Details

- * <75 dBA as per CPCB Guide Lines
- Controls (If Any): Acoustic Treatment / Enclosures

---

Dr. Vipul Nigam

---

Off. & Lab: 139-139, Udyan Kendra-II Ext, Eco Tech-II, Greater Noida-201 306

email: <envirointernationaldotc@gmail.com>

website: www.envirointernational.in

---

Environmental Testing Lab, R & D, Environmental Consultant for CE, DA, EA, GTD, DTE, Design-Planning-Fabrication & Installation of ETP, ESP, APES,
Waste Balancing, Adequacy & Performance audit for Pollution Control System,
Rain Water Recharging & Reuse, Hazardous Waste Management & Handling etc. Technical & Legal Consultancy for industrial compliance with SPCB, CPCB, MSZ & SEWA.
**ENVIRO-INTERNATIONAL**

---

**Lab Recognition:** Ministry of Environment, Forest & Climate Change, Govt. of India
Under Gazette Notification SO 2350 (E), S No. 32,

---

**ISSUED TO:**
Ms ASAIN PAINTS LIMITED
Plot No.- 01, DII7, Kari Sadh,
Rehrak (Haryana)- 248001 Indiain

---

**D.G. NOISE [DG Room - 02]/S/474-5475**

<table>
<thead>
<tr>
<th>Date of Monitoring</th>
<th>04/03/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time of Monitoring</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Stack Height (Ground)</td>
<td>30.00 meters</td>
</tr>
<tr>
<td>Operating Criteria</td>
<td>Noise monitoring during D.G. Set under operation</td>
</tr>
</tbody>
</table>

---

**Monitoring Location**

<table>
<thead>
<tr>
<th></th>
<th>Unit</th>
<th>Equivalent Sound Level</th>
<th>Insertion Loss</th>
<th>Standard Insertion Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 m from (DG Set Room)</td>
<td>dB (A) Leq.</td>
<td>67</td>
<td>26</td>
<td>More than 25 dB(A) Leq</td>
</tr>
<tr>
<td>At DG Set No. 02/1010 KVA [DG Room inside)</td>
<td>dB (A) Leq.</td>
<td>93</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Standard Followed:**
- b) EPA 1986/CPCB Norm

---

**Noise Source Details**

- *<75 dB(A) as per CPCB Guide Lines*
- Controls (If any): Acoustic Treatment / Enclosures

---

**Off. & Lab:**
- 136-138, Udyog Kendra-II Ext, Eco Tech-III, Greater Noida-201 306
- 9810233066, 9810233069, 9810233068
- envirointernational@gmail.com
- Veepul_Kumar4@rediffmail.com
- www.envirointernational.in

---

# Monitoring Report

**Issued To:**
M/s Asain Paints Limited
Plot No. - 01, JAT, Ktara, SADH, Rohak (Haryana) - 131001 India.

**D.G. NOISE (D.G. Room - 04) 5476-5477**

<table>
<thead>
<tr>
<th>Date of Monitoring</th>
<th>04/01/2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time of Monitoring</td>
<td>30 Minutes</td>
</tr>
<tr>
<td>Stack Height (Ground)</td>
<td>30.00 meters</td>
</tr>
<tr>
<td>Operating Criteria</td>
<td>Noise monitoring during D.G. Set under operation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Monitoring Location</th>
<th>Unit</th>
<th>Equivalent Sound Level</th>
<th>Insertion Loss</th>
<th>Standard Insertion Loss</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 m from (D.G. Set Room)</td>
<td>dB (A) Leq.</td>
<td>66</td>
<td>28</td>
<td>More than 25 dB(A) Leq</td>
</tr>
<tr>
<td>At D.G. set No.04/2000 KVA (D.G. Room Inside)</td>
<td>dB (A) Leq.</td>
<td>94</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Standard Followed:**
- EPA 1986/CPCB Norm

**Noise Source Details**
- DG Room
- DG Set - 04 (2000 KVA)

- * <75 dB(A) as per CPCB Guide Lines
- Controls (If Any): Acoustic Treatment / Enclosures
- INSTRUMENTS: Noise Level Meter H 78543/3L-4012/CB/PCC/DBL/2017/011 Valid Upto 20.08.2018

---

Dr. Nipul Kumar

---

<table>
<thead>
<tr>
<th>Sampling Station</th>
<th>Monitoring Report</th>
<th>Prescribed Standard As per Factories Act 1948 (For 6 hrs working in dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silo Area</td>
<td>83</td>
<td>90</td>
</tr>
<tr>
<td>LQC</td>
<td>80</td>
<td>90</td>
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