



Corporate Identification Number (CIN) : L24220MH1945PLC004598
For Shares related queries, email to investor.relations@asianpaints.com
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email to customercare@asianpaints.com
For HR related queries, email to careers@aisanpaints.com
For Media related queries, e-mail to proffice@asianpaints.com

Asian Paints Limited
A-1 & B-2
UPSIDC Industrial Area,
Kasna II, Greater Noida,
Dist. Gautam Budh Nagar
U.P. - 203 207
Tel. : (0120) 234 4000
Fax : (0120) 234 1210
www.asianpaints.com

Ref. No. – KAS 2022/09/06

Dated: 27/09/2022

To,
The Member Secretary
U P Pollution Control Board
Building No- TC-12V
Vibhuti Khand, Gomti Nagar
Lucknow – 226010

Subject: Submission of Environmental Statement for the financial year ending 31st March 2022.

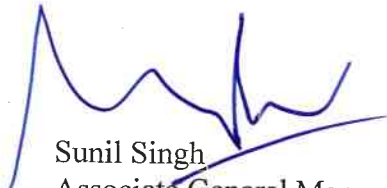
Dear Sir,

Please find the enclosed Environmental Statement of our plant in prescribed FORM – V, for the financial year ending 31st March'2022.

Kindly acknowledge the receipt.

Thanking you.

Yours Sincerely,
For Asian Paints Ltd


Sunil Singh
Associate General Manager
Kasna Plant

Asin
Asin

Enclosures:

1. Environment Statement Report of 2021-2022.
2. Hazardous Waste analysis report.
3. ETP sludge and ETP Leachate report.

CC: Camp Office UPPCB Greater Noida.

FORM V – Environment Statement

Environmental statement for the financial year ending 31st March 2022

PART-A

- | | | |
|---|---|---|
| 1 | Name and address of the Occupier of industry, operation Or process: | Shri Amit Syngle
Managing Director & CEO
Asian Paints Limited, A – 1, B - 2
UPSIDC Industrial Area Kasna II
Greater Noida, Distt Gautam Buddh Nagar
Uttar Pradesh - 203207 |
| 2 | Industry category <ul style="list-style-type: none">• Primary (SIC code):• Secondary (SIC code): | 2800
2850 |
| 3 | Production capacity (MTPA): | Paint, Varnish & Enamels - 80,000 KL/MT
Intermediate- Resin / Emulsion - 36,000 MT (TSR:
Total Solid Resin) |
| 4 | Year of establishment: | 1990 |
| 5 | Date of the last Environmental Statement submitted: | 28 th September 2021 |

PART-B

Water and Raw Material Consumption

(i) **Water consumption m³/d**

Process: Total quantity of fresh water	45.8
Cooling & Boiler : Total quantity of fresh water	32.4
Domestic: Total quantity of fresh water	50.7
Other: Total quantity of fresh water	6.3
Water consumption per day	135.2

Name of Products	Process water consumption per unit of product	
	During FY 2020-21	During FY 2021-22
Paint, Varnish & Enamels	0.2168 m ³ per KL	0.2298 m ³ per KL

(ii) **Raw material consumption:**

S No.	Name of raw material	Name of products	Consumption of raw material MT per unit of output during (MT/KI)	
			FY (20-21)	FY (21-22)
1	Pigments	Paint, Varnish & Enamels	0.0603	0.0610
2	Extenders	Paint, Varnish & Enamels	0.2819	0.2831
3	Additives	Paint, Varnish & Enamels	0.0931	0.0466
4	Solvents	Paint, Varnish & Enamels	0.2052	0.2446
5	Miscellaneous/Others	Paint, Varnish & Enamels	0.0063	0.0055
6	Oils	Paint, Varnish & Enamels	0.0778	0.1229
7	Monomers	Paint, Varnish & Enamels	0.0296	0.0291
8	Resin RM	Paint, Varnish & Enamels	0.1197	0.1179

PART-C

Pollution Discharged to the Environment per unit of output
(Parameters as specified in the consent issued)

(a) Water Pollutant

Sr. No	Parameter	Quantity of pollutants discharged (mass/day) (kg/day)	Concentration of pollutants in discharges (mass/volume) (mg/l)	Percentage of variation from prescribed standard with reasons	Reasons
1	pH	NA	7.250	Within specified limit	Negative sign signifies better performance
2	Temperature	NA	15.917	Within specified limit	
3	Total suspended solid	2.9684	76.583	-23.417	
4	Total dissolved solid	37.3711	964.167	Within specified limit	
5	COD	2.4677	63.667	-74.533	
6	BOD (3 days, at 27°C)	0.2778	7.167	-76.111	
7	Chloride as Cl	1.3986	36.083	-96.392	
8	Sulphide as S	-	BDL	Within specified limit	
9	Sulphate as SO4	2.1964	56.667	-94.333	
10	Fluoride as F	-	BDL	Within specified limit	
11	Ammonical Nitrogen as N	0.2423	6.250	-87.500	
12	Sodium as Na	-	BDL	Within specified limit	
13	Copper as Cu	0.0116	0.300	-85.000	
14	Zinc as Zn	0.0142	0.367	-92.667	
15	Phenolic Compounds	-	BDL	Within specified limit	
16	Oil & Grease	0.1550	4.000	-60.000	
17	Boron as B	-	BDL	Within specified limit	
18	Total Residual Chlorine	-	BDL	Within specified limit	
19	Arsenic as As	-	BDL	Within specified limit	
20	Cadmium as Cd	-	BDL	Within specified limit	
21	Total Chromium as Cr	0.0158	0.408	-79.583	
22	Hexavalent Chromium as Cr+6	-	BDL	Within specified limit	
23	Lead as Pb	-	BDL	Within specified limit	
24	Selenium as Se	-	BDL	Within specified limit	
25	Mercury as Hg	-	BDL	Within specified limit	

26	Pesticides	-	BDL	Within specified limit	Negative sign signifies better performance
27	Free Ammonia as NH3	0.0165	0.425	-91.500	
28	Dissolved Phosphates as P	0.0239	0.617	-87.667	
29	Total Kjeldahl Nitrogen as N	0.1680	4.333	-95.667	
30	Cyanide as CN	-	BDL	Within specified limit	
31	Nickel as Ni	0.0103	0.267	-91.111	
32	Residual Sodium Carbonate	-	BDL	Within specified limit	
33	Iron	-	BDL	Within specified limit	
34	Calcium as Ca	1.9089	49.250	Within specified limit	
35	Magnesium as Mg	0.3004	7.750	Within specified limit	
36	Potassium as K	-	BDL	Within specified limit	
37	Sodium Absorption Ratio	-	BDL	Within specified limit	
38	Carbonate	-	BDL	Within specified limit	
39	Bicarbonate	-	BDL	Within specified limit	
40	Nitrate Nitrogen	-	BDL	Within specified limit	
41	Colour	-	BDL	Within specified limit	
42	Bio assay	-	BDL	Within specified limit	
43	Particles size of total Suspended Solids in μ	-	BDL	Within specified limit	
	1.0 μ m	-	BDL	Within specified limit	
	2.0 μ m	-	BDL	Within specified limit	
	3.0 μ m	-	BDL	Within specified limit	
	4.0 μ m	-	BDL	Within specified limit	
	5.0 μ m	-	BDL	Within specified limit	
	6.0 μ m	-	BDL	Within specified limit	
44	Total heavy Metal	0.0575	1.483	-50.556	

(b) Air Pollutant

Stack: TP- K 401 & 403

Sr. No	Parameter	Quantity of pollutants discharged (mass/day) (kg/day)	Concentration of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standard with reasons	Reasons
1	SPM	0.005	3.486	-93.028	Negative sign signifies better performance
2	SO ₂	0.004	2.667	NA	
3	NO _x	0.011	8.250	NA	

Stack: TP- K 407

1	SPM	0.051	2.684	-94.632	Negative sign signifies better performance
2	SO ₂	0.033	1.750	NA	
3	NO _x	0.104	5.417	NA	

Stack: TP- K 408

1	SPM	0.245	5.166	-89.668	Negative sign signifies better performance
2	SO ₂	0.178	3.750	NA	
3	NO _x	0.174	3.667	NA	

Stack: TP- K 801

1	SPM	0.001	4.822	-90.357	Negative sign signifies better performance
2	SO ₂	0.001	4.417	NA	
3	NO _x	0.002	12.083	NA	

Stack: IBR Boiler

1	SPM	0.071	6.552	-86.897	Negative sign signifies better performance
2	SO ₂	0.046	4.250	NA	
3	NO _x	0.104	9.583	NA	

Stack: Boiler BO-K802

1	SPM	0.0001	6.446	-87.108	Negative sign signifies better performance
2	SO ₂	0.00009	5.417	NA	
3	NO _x	0.0000	12.667	NA	

Stack: DG -1

1	SPM	DG was under breakdown in FY '21-22			
2	SO ₂				
3	NO _x				

Stack: DG -2

1	SPM	0.006	40.604	-18.792	Negative sign signifies better performance
2	SO ₂	0.00066	4.226	NA	
3	NO _x	0.012	79.444	NA	

Stack: Non-IBR Boiler

1	SPM	0.0004	8.113	-83.775	Negative sign signifies better performance
2	SO ₂	0.0003	5.500	NA	
3	NO _x	0.0006	11.583	NA	

Stack: DG -3

1	SPM	0.005	37.837	-24.325	Negative sign signifies better performance
2	SO ₂	0.00060	4.217	NA	
3	NO _x	0.010	73.218	NA	

Stack: DG -4

1	SPM	0.007	37.134	-25.731	Negative sign signifies better performance
2	SO ₂	0.00083	4.460	NA	
3	NO _x	0.013	68.625	NA	

Stack: DG -5

1	SPM	0.007	36.906	-26.188	Negative sign signifies better performance
2	SO ₂	0.001	4.395	NA	
3	NO _x	0.016	78.694	NA	

Stack: DG - 6

1	SPM	0.0035	40.352	-19.296	Negative sign signifies better performance
2	SO ₂	0.0004	4.524	NA	
3	NO _x	0.007	78.694	NA	

*** NA- Limits are not given in consent**

PART-D

Hazardous Wastes

[As specified under Hazardous and other waste (Management & transboundary movement) Rules - 2016 and amendments thereof]

Waste Source	Total Quantity (Kg)	
	During financial year (20-21)	During financial year (21-22)
a) From Process		
Oil contaminated with wash water & Sludge- (Liquid)	886	1245
Sludge and filters contaminated with oil- (Solid)		
Used / Spent oil - (Liquid)	9022	3990
Discarded Asbestos - (solid)	0	0
Contaminated aromatic, aliphatic or naphthenic solvents, may or may not be fit for reuse - (Liquid)	0	0
Distillation Residues - (Liquid)	0	0
Process Wastes, residues and sludge- (Solid/Liquid)	28634	26155
Wastes/residues - (Solid/Liquid)	8258	7072
Wastes/residues-Filter Aid/Cloth -(Solid)	8606	7472
Chemical containing residue arising from decontamination - (Solid/Liquid)	1	0
Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals - (packing material containers)	0	0
Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals - (Liner)	29840	33087
Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals (Barrels/ carboys/ drums/ totes- (Raw material barrels)	0	0
Spent ion exchange resin containing toxic metals- (Solid)	0	0
Oil & grease skimming residues (Liquid)	1005	910
b) From Pollution Control Facilities	0	0
Chemical sludge from waste water treatment (wet basis)- (Semi-Solid)	99274	120575
Ash from incineration of hazardous wastes - (Solid)	0	0
Flue gas cleaning residue (solid)	65	0
Spent carbon – (solid)	0	0

PART-E

Solid Wastes

Waste Source	Total Quantity (Kg)	
	During Financial Year (20-21)	During Financial Year (21-22)
a) From Process		
1.Paper Waste	182130	251890
2.Plastic waste(Excluding the RM containers)	349510	363380
3.Wooden waste	111056.5	170380
4. Plastic RM Containers	41820	51233.5
5. Metal RM Containers	52992	39942
6.Metal waste(Excluding the RM containers)	203960	405947
7. Miscellaneous	0	127.3
b) From Pollution Control Facilities		
1.Powder waste	22040	0
c) Quantity recycled or re-utilised within the unit		
1. Sold	All mentioned In (a) of part E, above	All mentioned In (a) of part E, above
2. Disposed	Nil	Nil

PART-F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Sr. No	Waste	Concentration of hazardous constituents in the final waste	Disposal Practice
Hazardous waste			
1	Oil contaminated with wash water & Sludge- (Liquid)	Organic/Inorganic chemicals	CHWTSDF
2	Sludge and filters contaminated with oil- (Solid)	Organic/Inorganic chemicals	CHWTSDF
3	Used / Spent oil - (Liquid)	Organic/Inorganic chemicals	CHWTSDF /(Sale to authorised recycler/reuser)
4	Discarded Asbestos - (solid)	Asbestos	CHWTSDF
5	Contaminated aromatic, aliphatic or naphthenic solvents, may or may not be fit for reuse - (Liquid)	Organic chemical	CHWTSDF /(Sale to authorised recycler/reuser)
6	Distillation Residues - (Liquid)	Organic chemicals and polymer	CHWTSDF /(Sale to authorised recycler/reuser)
7	Process Wastes, residues and sludge- (Solid/Liquid)	Polymer and Organic/Inorganic chemicals	CHWTSDF/ Co processing
8	Wastes/residues - (Solid/Liquid)	Polymer and Organic/chemicals	CHWTSDF
9	Wastes/residues-Filter Aid/Cloth - (Solid)	Organic/Inorganic chemicals and polymer	CHWTSDF
10	Chemical containing residue arising from decontamination - (Solid/Liquid)	Organic/Inorganic chemicals	CHWTSDF
11	Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals (packing material containers)- (Solid)	HDPE/Polyethylene/cellulous and Organic/Inorganic chemicals	Sale to authorised recycler
12	Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals (Liners)- (Solid)	HDPE/Polyethylene/cellulous and Organic/Inorganic chemicals	CHWTSDF
13	Discarded containers / barrels / liners contaminated with hazardous wastes / chemicals (Barrels/ carboys/ drums/ totes- (Solid)	Iron/ mild steel/ HDPE/Polyethylene and Organic/Inorganic chemicals	Sale to authorised recycler
14	Spent ion exchange resin containing toxic metals- (Solid)	Organic/Inorganic chemicals	CHWTSDF
15	Oil & grease skimming residues (Liquid)	Organic/Inorganic chemicals	CHWTSDF /(Sale to authorised recycler/reuser)
16	Chemical sludge from waste water treatment (dry basis)- (Semi-Solid)	Organic chemicals	CHWTSDF
17	Ash from incineration of hazardous wastes - (Solid)	Oxides of Inorganic materials	CHWTSDF(SLF)
18	Flue gas cleaning residue (solid)	Organic/Inorganic chemicals	CHWTSDF(SLF)
19	Spent carbon – (solid)	Activated carbon	CHWTSDF

PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

A. Impact of pollution abatement on conservation

Impact of pollution abatement is identified and presented below along with the activity responsible for the same.

a) Cleaner Effluents

- The quality of treated water is monitored on regular basis both in-house at our Environmental Laboratory & by the MoEF approved external laboratory.
- We always focus on the efficient treatment of the effluent through primary, secondary and tertiary treatment process, resulting in the cleaner effluent discharge (Final treated effluent) meeting the requirement of standard specified in the water consent.

b) Rainwater recharge potential develop & rainwater harvesting

Rain water harvesting potential of 7473 KL was created in FY'21-22 outside plant premises. This helped us to take the total actual recharge done in FY21-22 to 191186.9 KL (considering annual rainfall 700 mm) through total recharge structures created till date outside the plant premises. Additionally, we reused 8211 KL of rainwater in cooling towers through rainwater collected within plant premises through 1420 KL of installed storage capacity.

c) Solvent reuse

- Reuse of solvents helps to conserve the petroleum-based products that are at the top of conservation list. Waste solvent is distilled and recovered. The recovered solvent is subsequently reused for cleaning requirements.
- Procedures are continuously being developed for reducing the generation of waste solvents of all types at source. Where ever possible the waste solvent is also being reused in the same product.

d) Natural Resource Conservation

Natural resource conservation is the prime focus of our plant. We are committed to protect the environment by Leveraging the 3 R (Reduce, reuse, and recycle) principle and move towards zero industrial effluent generation, zero hazardous waste generation and zero virgin paper consumption. Given below are some of the initiatives taken in this direction:-

- Rain water harvesting and its effective use, use of cleaner fuel such as natural gas along with HSD, reduction in the use of electricity via less power consuming lamp, process optimization and air leakage reduction are few steps which contribute to the Natural resource conservation.
- Controlling the water flow rate through the installation of orifice and conversion of screw type water taps into push type across the plant has led to fresh water consumption reduction
- Use of high-pressure low volume jet pump and superior cleaning system for cleaning the mixers as against the conventional method of cleaning the mixers with water to its operating volume.
- Cascading reuse of caustic solution is being done for mixers, i.e. caustic solution used for cleaning mixers, is being reused for cleaning other mixers.
- Jet flush pump usage sustained in barrel/container detoxification process to reduce water consumption.
- Reduction in fresh water consumption: Rain water storage capacity is 1420 KL inside plant premises & rain water is consumed in cooling towers. Sustaining reuse of RO

reject & ETP treated water for floor cleaning & toilet flushing. Re-use of regeneration water for floor cleaning & toilet flushing.

- Reduction in specific trade effluent generation: Re-use of Boiler Blowdown in cooling tower makeup, Reuse of Water of reaction for applications such as decontamination of barrels, reactor cleaning etc., Setup of caustic water tank for reuse of caustic water for cleaning purpose

e) Noise Abatement

- We have identified the high noise area in the plant and necessary precaution and display boards have been fixed to make the worker aware of safe work practices with suitable PPEs.
- We are compliant with the noise pollution (regulation & control) rules.

f) Dust Control

- Sufficient no. of dust collectors have been provided and working efficiently to reduce the environmental pollution due to dust emission.

g) Energy Conservation

- LED lights installed in plant at various locations.
- Solar Power of 974 KWp available for harnessing solar energy.

h) Reuse of wash water

- Wash water is being re used in the new batch as per various reuse schemes.

i) Guard Pond Facility

- A guard pond of 300 KL capacity are existing in the plant for better management of effluent in the extreme or emergency situation.

B) Impact of Pollution Abatement increased the cost of production by Rs 298.31 per ton or KL of product.

The detail of the expenditure on pollution abatement during the year 2021-22 is as given below

Sr. No	Environmental Protection measures	Cost (Rs)
01	Operating cost of Effluent treatment plant	2623343.00
02	Expenditure for environmental monitoring parameters	2140854.60
03	Expenditure toward ETP improvement, environment related project and instruments/equipments	16917027.64
	Total	21681225.24

PART-H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

The company has been certified for ISO 14001 and is committed towards continual reduction in waste generation and provide cleaner environment with Environment Management System based on ISO 14001 standards.

Waste reduction and natural resource conservation are thrust areas and schemes based on them are encouraged. Key measures taken for environmental protection in the current year include: -

- i) Reuse of treated water for garden maintenance, detoxification purpose for RM Containers, toilet flushing.
- ii) Recycling of non-hazardous waste paper with the external paper recycler.
- iii) Used solvent re-use in new batches.
- iv) Solvent recovery plant operation to reduce the generation of hazardous waste.
- v) Rain water harvesting and recharging.
- vi) Reduction in water consumption in domestic as well as industrial purpose to reduce ground water consumption.
- vii) Bio composting and Vermicomposting of food, horticulture and paper waste.

PART-I

Any other particulars for improving the quality of the environment

- Overall there are around 6188 trees inside factory premises. In the current year, plantation of native species was done to further enrich the green belt and improve ambient air quality

(Signature of a person carrying out an industry)

DATE: 30.9.22

Name: Sunil Singh
Designation: Associate General Manager
Address: A-1, B-2 UPSIDC Industrial Area
Kasna II, Greater Noida
Dist. Gautam Budh Nagar
Uttar Pradesh - 203207



ENVIRO-INTERNATIONAL

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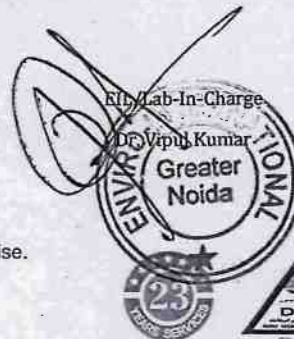
TEST REPORT

ISSUED TO: M/s. ASIAN PAINTS LIMITED A - 1, UPSIDC INDUSTRIAL AREA, KASNA VILLAGE, GREATER NOIDA DISTT. - GB NAGAR - 201306		SUBJECT : Hazardous Waste " OBJECT : Measurement of Solid Waste Pollutants PRINCIPLE & METHODS : APHA/CPCB/TCLP	
Sample Details : Haz Sludge Sample Reference: EIL/APL/03/22/SD - 01-06		Sample Collection Date : 29.03.22 Sample Reporting Date : 04.04.22	

S. No.	Analysis Parameters	Unit	Paint Waste	Oil & Grease Waste	Arbocil/ Dicomol Waste	Waste Powder	Chemical Waste Sludge	Emulsion Coagulation
1	pH	-	7.2	6.9	6.1	8.2	8.7	7.7
2	Physical State	-	Semi Solid	Semi Solid	Soft Sludge	Amorphous	Dry Solid	Solid
3	Color & Texture	-	White	Brown	Pink Sludge	White	Black	Yellow White
4	Specific Gravity	-	0.90	1.11	1.17	0.85	1.07	1.01
5	Viscosity 40 C	est		14.3				
6	Calorific Value	Kcal/kg	7619	7320	4218	1237	3002	3945
7	Moisture Contents	%	7.23	4.66	32.6	19.32	52.3	31.4
8	Reactive Cyanide	mg/kg	BDL	BDL	BDL	BDL	BDL	BDL
9	Reactive Sulphide	mg/kg	BDL	BDL	BDL	BDL	BDL	BDL
10	Concentration of Inorganic Contents	%	14.7	12.9	5.3	2.7	5.5	11.3
11	Oil & Grease	ppm	12.0	91.6	9.3	2.5	4.8	15.7
12	PAH	ppm	BDL	BDL	BDL	BDL	BDL	BDL
13	PCB	ppm	BDL	BDL	BDL	BDL	BDL	BDL
14	Pesticides	ppm	BDL	BDL	BDL	BDL	BDL	BDL
15	Carbon	%	80.3	37.5	51.0	23.9	41.0	32.6
16	Nitrogen	%	BDL	BDL	BDL	BDL	BDL	BDL
17	Sulphur	%	BDL	BDL	BDL	BDL	BDL	BDL
18	Hydrogen	%	BDL	BDL	BDL	BDL	BDL	BDL
19	Flash Point	C						
20	Lead	ppm	0.7	0.5	0.9	0.5	1.3	0.9
21	Zinc	ppm	1.1	0.9	1.2	1.8	1.1	0.9
22	Chromium	ppm	1.3	0.6	1.0	0.8	0.7	0.6
23	Nickel	ppm	1.9	1.4	1.1	0.9	1.0	0.8

Abb.: (1) BDL: Below Detection Limits
(2) NR : Not Required

Checked By
R.P. Marwah



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.



Off. & Lab : 138-139, Udyog Kendra-II Extn, Eco Tech-III, Greater Noida-201 306
: 9810098664, 9810725666, 9910233668
: vipul_kumar4@rediffmail.com
: envirointernationalec@gmail.com

ISO : 9001 : 2015, ISO : 14001 : 2015

OHSAS : 18001 : 2007



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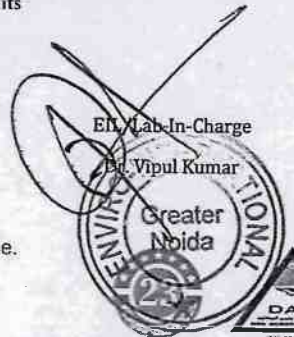
TEST REPORT

ISSUED TO: M/s. ASIAN PAINTS LIMITED A - 1, UPSIDC INDUSTRIAL AREA, KASNA VILLAGE, GREATER NOIDA DISTT. - GB NAGAR - 201306	SUBJECT : Hazardous Waste " OBJECT : Measurement of Solid Waste Pollutants PRINCIPLE & METHODS : Apha/CPCB/TCLP
Sample Details : Haz Sludge Sample Reference: EIL/APL/03/22/SD - 07-09	Sample Collection Date : 29.03.22 Sample Reporting Date : 04.04.22

S. No.	Analysis Parameters	Unit	Waste Resin	Waste Cotton	ACF Waste
1	pH	-	7.1	7.0	7.4
2	Physical State	-	Solid	Solid	Solid
3	Color & Texture	-	Dark	White	Black
4	Specific Gravity	-	1.3	BDL	-
5	Viscosity 40 C	cst	-	BDL	-
6	Calorific Value	Kcal/kg	7042	BDL	3170
7	Moisture Contents	%	3.70	BDL	2.49
8	Reactive Cyanide	mg/kg	BDL	BDL	BDL
9	Reactive Sulphide	mg/kg	BDL	BDL	BDL
10	Concentration of Inorganic Contents	%	19.4	BDL	18.3
11	Oil & Grease	ppm	2.60	BDL	4.17
12	PAH	ppm	BDL	BDL	BDL
13	PCB	ppm	BDL	BDL	BDL
14	Pesticides	ppm	BDL	BDL	BDL
15	Carbon	%	49.1	BDL	53.9
16	Nitrogen	%	BDL	BDL	BDL
17	Sulphur	%	BDL	BDL	BDL
18	Hydrogen	%	BDL	BDL	BDL
19	Flash Point	C	-	-	-
20	Lead	ppm	1.9	BDL	BDL
21	Zinc	ppm	2.7	BDL	BDL
22	Chromium	ppm	3.2	BDL	BDL
23	Nickel	ppm	4.6	BDL	BDL

Abb.: (1) BDL: Below Detection Limits
(2) NR : Not Required

Checked By
R.P. Marwah



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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ISO : 9001 : 2015, ISO : 14001 : 2015

OHSAS : 18001 : 2007



ENVIRO-INTERNATIONAL

Lab Recognised Under: Ministry of Environment, Forest & Climate Change, Govt. of India
Gazette Notification S.O. 3744 (E), S. No. 32, N.A.B.L. TC-6545, U.P.P.C.B. H-15623/CL/89

TEST REPORT

ISSUED TO :

M/s. ASIAN PAINTS LIMITED
A - 1, UPSIDC INDUSTRIAL AREA,
KASNA VILLAGE, GREATER NOIDA
DISTT. - GB NAGAR - 201306

SUBJECT : SLUDGE ANALYSIS
OBJECT : Measurement of Solid Waste Pollutants
PRINCIPLE & METHODS: "APHA"

Sample Details : Sludge
Sample Reference: EIL/APL-k/04/Z2/SD - 01,02

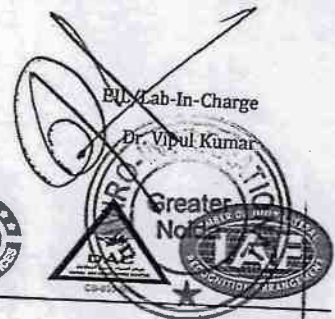
Sample Collection Date : 29.03.22
Sample Reporting Date : 04.04.22

PHYSICO-CHEMICAL ANALYSIS REPORT

PARAMETER	Unit	ANALYSIS REPORT (E.T.P Sludge)	ANALYSIS REPORT (ETP Leach ate Sludge)
pH	--	7.3	
Colour	--	Brown-Mud	6.7
Odour	--	Light Pungent	NR
Temperature	°C	19	NR
Volatile Matter	%	----	NR
Calorific Value	--	<2100-3180>	NR
Toxicity	--	Toxic	NR
Flammable	--	Non Flammable	NR
Explosive	--	Non Explosive	NR
Combustion	--	Non Combustable	NR
Oxidizing	--	Non Oxidizing	NR
Organic Contents	--	Traces	NR
Poisonous [Acute]	--	No	NR
Corrosive	--	Traces	NR
Eco Toxic	--	Traces	NR
Cyanide	--	BDL	NR
Copper	ug/gm	BDL	NR
Cadmium	ug/gm	BDL	NR
Lead	ug/gm	BDL	NR
Iron	ug/gm	BDL	NR
Zinc	ug/gm	BDL	NR
Nickel	ug/gm	BDL	NR
Total Chromium	ug/gm	BDL	NR
Arsenic	ug/gm	BDL	NR
Bulk Density	gm/cm ³	3.26	NR
Particle Density	gm/cm ³	4.70	NR
Moisture	%	69.01	NR

Abb.: (1) BDL: Below Detection Limits
(2) NR : Not Required

Checked By
R.P. Marwah



- N.B.:-**
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 - The Result indicated only refer to the tested samples.
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