



CIN : U24110AP1989PLC009723

HETERO LABS LIMITED (UNIT-III)

Sy. No. : 120 & 128, 150 (PART), 150/1, 151/2, 158/1, N. Narasapuram (Village),
Nallamattipalem (V), Nakkapalli (Mandal), Visakhapatnam (Dist.) - 531 081, A.P., INDIA.
Tele Phone : +91-891-2877900, Fax : +91-891-2877933
E-mail : contact@heterodrugs.com. URL : http://www.heterodrugs.com.

29th September 2021

Letter No: HLL-III/EHS/APPCB/2021-22/06

The Environmental Engineer
Regional Office
Andhra Pradesh Pollution Control Board
Visakhapatnam

Dear Sir,

**SUB: Submission of Environmental Statement in Form-V for the year ending
31st March-2021 - Regarding.**

Reference:

1. CFO of M/s Hetero Lab Ltd, Unit-III vide Order No:
APPCB/VSP/CFO/HO/137/2017-, Date: 11.12.2017
2. CFE of M/s Hetero Lab Ltd, Unit-III vide Order No:
137/APPCB/CFE/RO-VSP/HO/2013 Date. 26.10.2017 valid upto 31.12.2021

With reference to the above, we are here with submitting Environmental Statement in Form-V for the financial ending 31st March 2021 for your information and perusal.

Kindly acknowledge the receipt.

Thank You,
Yours Faithfully
For Hetero Labs Limited, Unit-III

S. Kullayi Reddy
Sr. General Manager- EHS

Enclosures : As above

PROFILE

M/s. Hetero Labs Ltd, Unit III obtained consent for operation from AP Pollution Control Board vide order No: APPCB/VSP/CFO/HO/137/2017 dated 11/12/2017 valid upto 31st December 2022 and got CFO amendment order dated 25/06/2019 for manufacturing of Bulk Drugs and its Intermediates. The products are manufactured in two categories i.e. Regular & campaign products. Manufacturing of the same groups is being undertaken as per the consent conditions.

SALIENT FEATURES OF M/s HETERO LABS LIMITED, UNIT-III

Total Site Area	130 Acres
Built up Area	75 Acres
Area of green belt developed	45 acre
Area available for green belt development	10acres
Year of establishment	2008
Year of commissioning	2008
Capital cost	428.26crores
Type of plant	Bulk drug manufacturing
Water consumption	492KLD
Effluent generation	353KLD
Investment on pollution control	
• Capital investment	1000LAKHS
• Recurring O & M	200LAKHS/ANNUM
Employment	2000

Other details:

1. The total water requirement of the unit is being met from the Sea water Desalination plants of M/s Hetero Infrastructure SEZ Ltd
2. The required steam for the unit is being supplied from boilers installed in the premises of M/s Hetero Infrastructure SEZ Ltd.
3. The effluent generated from the unit is being treated in the Common ETP installed in the premises of M/s Hetero Infrastructure SEZ Ltd.
4. Sewage Treatment Plant, Hazardous waste storage yard and scrap yard are installed in the premises of M/s Hetero Infrastructure SEZ Ltd

MINISTRY OF ENVIRONMENT AND FORESTS NOTIFICATION
New Delhi, the 22nd April 1993
(PART II, SECTION 3, SUB-SECTION (1))

"FORM - V"
ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR ENDING THE 31ST MARCH 2021

PART-A

Name and address of the owner/
Occupier of the industry operation
Or process : **C. Mohan Reddy, Director-Operations**
7-2-A2, Hetero Corporate,
Industrial Estate
Sanathnagar
Hyderabad -5000082

Registered Office Address : **M/s. Hetero Labs Ltd,**
7-2-A2, Hetero Corporate
Industrial Estate
Sanathnagar
Hyderabad -5000082
Tel:3704923/24/25

Works address : **M/s. Hetero Labs Ltd, Unit-III,**
Sy. No.126, 150,151/1 & 151/2
N.Narsapuram (V),
Nakkapally (M),
Visakhapatnam Dist.

Industry category : Red

Production capacity : **390 TPM (As per CFO)**

Month and Year of Establishment : 2008

Date of last environmental statement
Submitted : September 2020

PART-B
WATER CONSUMPTION DETAILS

S.No	Water Consumption	Quantity (KL/day) (as per CFO)	Quantity (KL/day) (Actual)
1	Process & Washing	261.0	197
2	Cooling tower Make up & Boiler Feed	161.0	88
3	Domestic	70.0	40
Total		492.0	325

**Indicated the water is inclusive of floor washing and other washings of the plant.

Process water consumption of production output in KL: Enclosed as **Annexure-I**

Raw material consumption

: Enclosed as Annexure-II

PART-C
POLLUTION DISCHARGED TO ENVIRONMENT
(PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

Pollutants	Quality of Pollutants discharged (mass/day)	Concentrations of Pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons.
1. Ambient Air quality	Analysis reports enclosed at Annexure-III		Within the limits
2. Stack Emissions			
3. Noise levels			
4. Effluent			

PART - D
HAZARDOUS WASTE (AS SPECIFIED UNDER HAZARDOUS WASTES/MANAGEMENT AND HANDLING RULES-2016)

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous financial Year (2019-2020)	During the current financial Year (2020-2021)
Organic Residue	973.9 Tons	575.41 Tons
Spent Carbon	276.27 Tons	335.96 Tons
Process Inorganic waste	111.18 Tons	302.75 Tons
Used Carboys- HDPE Drums	35836 No's (254.725 Tons)	44432 No's 270.786 (Tons)
Used Carboys- MS Drums	28923 No's (492.692 Tons)	44870 No's (669.745 Tons)
Spent solvents	13250 KL	28204 KL
Detoxification Liners (LDPE bags)	84.820 Tons
Waste oil	NIL	9.040 KL

PART-E
SOLID WASTES

The sources of solid waste generated from the plant are process and fly ash from boiler. Detailed quantities of solid wastes are given below.

Solid waste	Total Quantity (T/annum)	
	During the previous financial year (2019-2020)	During the current financial year (2020-2021)
Boiler ash	Generated in Hetero Infrastructure SEZ Ltd	Generated in Hetero Infrastructure SEZ Ltd

Note: The required steam for the unit is being supplied by M/s Hetero Infrastructure SEZ Ltd.

PART-F

CHARACTERISTICS INTERMS OF COMPOSITION AND QUANTUM OF HAZARADOUS AS WELL AS SOLID WASTES AND THE DISPOSAL PRACTICES ADOPTED BY THEM

Fly Ash from Boilers	NA
Spent Carbon from process	To cement Industries for Co-processing (Incineration)
Forced Evaporation salts	NA (Generated in CETP of M/s Hetero Infrastructure SEZ Ltd)
Process Inorganic salts	To TSDF, Parawada for secured land filling
Organic Residue	To Cement Industries for Co-processing (Incineration)

PART-G

IMPACT OF THE POLLUTION CONTROL MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON COST OF PRODUCTION.

The industry has adopted following measures for the conservation of natural resources:

- Sea water Desalination Plant for meeting the water requirement of the Industry thereby avoiding the usage of natural resources (either ground water or surface water).
- Sewage Treatment Plant for reuse of Domestic wastewater for gardening purposes by avoiding usage of fresh water for gardening purpose.
- Usage of Vermi-compost for Green belt and gardening purpose as a replacement for chemical fertilizers.
- Green belt Development for abatement of pollution.
- Rain water harvesting by way of collecting the storm water in a pond created by the industry in its premises.
- Hazardous waste which is having higher calorific value is being sent to cement industries as an alternate fuel.
- Initiated selling used salts for authorized recyclers for reuse/recycling purpose.

The Industry adopted all possible measures for controlling the pollution there by conserving the natural environment as listed below:

- Common Effluent Treatment Plant (Stripper, MEE, ATFD Bio-tower & Dual stage aerobic Treatment plant based on ASP) for treatment of trade effluent and sewage treatment plant for the treatment of Domestic wastewater in the premises of M/s Hetero Infrastructure SEZ Ltd.
- Scrubbers are installed for the vents of reactor where acidic reactions are being carried for controlling fugitive emissions for abatement of air pollution.
- Constructed all the above ground tanks for the collection and treatment of effluents to avoid chances of ground water/ Soil contamination.
- Adequate stack height has been provided to all DG sets for safe dispersion of pollutants as per CPCB guidelines and all DG sets are provided with acoustic enclosures for abatement of noise pollution.
- Installed online monitoring equipment like CAAQM and VOC meters for measuring pollutants in and around factory premises.

- Thick greenbelt in and around factory premises.

PART-H

ADDITIONAL INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION

The industry has already invested around Rs. 100.00 Crores towards installation of pollution control devices (In Hetero Infrastructure SEZ Ltd) and developed green belt in and around the industry in an area of more than 40% of the total area of the Industry. Green belt consists of various plants like Ganuga, Neem, Almond, Silver oak, Plintoform, casurina, Eucalyptus and Conacorposus etc.

All installed Pollution control equipments are periodically evaluated and necessary modifications/replacements are being made for improvement in their performances from time to time as and when required irrespective of Budget allocations.

The industry proposed to invest additional amount of Rs 60 crore towards installation of new 1 MLD Effluent Treatment plant during this financial year 2021-22.

PART-I

ANY OTHER PARTICULARS IN RESPECT OF ENVIRONMENTAL PROTECTION AND ABATEMENT OF POLLUTION.

- Increasing the greenbelt area by planting more plants.
- Industry is maintaining good housekeeping, mitigating fugitive emissions, reducing spills of raw material by taking all possible measures.
- Solvents are being recovered to the maximum possible extent at the production area itself thereby reducing the organic vapours entry into the atmosphere.
- Installation of dual stage condensers for all reactor vents to avoid escaping of solvent vapours from the reactors.
- Replaced most of the traditional centrifuges & Tray Driers with Agitated Nuetch Filter and Drier (ANFD) for safe and clean operations.

CONCLUSION

Hetero Labs Ltd, Unit - III is taking all possible measures for the abatement of pollution and also certain steps are in consideration for work improvement and cost reduction. The following are the pollution abatement measures taken by the industry:

1. Taking all steps required to ensure low emission levels, without any prejudice to the quantum of production.
2. Utilization of domestic wastewater for development of greenery after treatment in STP.
3. Giving due importance to the greenery and ultimately taken care in abating the pollution.
4. Rainwater harvesting by collecting rainwater in a pond created by the industry
5. Online instruments for monitoring the pollution levels in and around factory premises.
6. Regular monitoring of air, water, effluent by Third party once in a month to keep watch on the pollution levels.

ANNEXURE -1

WATER CONSUMPTION DATA FOR THE YEAR 2020-2021

S.NO	Name of the Product	Process water consumption per unit of product out put	
		During the previous financial year (2019-20)	During the current financial year(2020-21)
1	ABACAVIR SULPHATE IP	----
2	ALENDRONATE SODIUM USP	15	15
3	ARIPIPRAZOLE	20	18
4	ATAZANAVIR SULFATE IH	42	13
5	ATORVASTATIN CALCIUM	16	15
6	CEFIXIME	30	2
7	CEFPODOXIME PROXETIL	45	6
8	CEFUROXIME AXETIL	43	25
9	CILOSTAZOL	19	19
10	DACLATASVIR DIHYDROCHLORIDE IH	83	65
11	DARUNAVIR ETHANOLATE IH	24	24
12	DOMPERIDONE IP	32	32
13	DOLUTEGRAVIR	37	23
14	EFAVIRENZ IP	6	6.1
15	EMTRICITABINE IP	12	12
16	EPLERENONE	13	13
17	ESCITALOPRAM OXALATE	16	16
18	ETORICOXIB IH	26	25
19	EZETIMIBE	32	43
20	FLUCONAZOLE IP	29	34
21	IRBESARTAN	10	4
22	LAMIVUDINE IP	3	11
23	LEVETIRACETAM USP	1	1.1
24	LORATADINE USP	24	9
25	NADIFLOXACIN IH	12	10
26	NEVIRAPINE IP	9	9

27	OSELTAMIVIR PHOSPHATE	63	7
28	PANTOPRAZOLE SODIUM IP	17	17
29	PIOGLITAZONE HCL	37	4
30	PHTHALAZINONE	37	23
31	QUETIAPINE FUMARATE (FORM I) IH	16	6
32	RAMIPRIL IP	35
33	RITONAVIR IP	19	---
34	ROSUVASTATIN CALCIUM	15	15
35	RUPATADINE FUMARATE	13	13
36	SIMVASTATIN USP	19	32
37	TELMISARTAN IP	47	14
38	TERBINAFINE HYDROCHLORIDE	13	13
39	TENOFOVIR DISOPROXIL FUMARATE IP	8	3
40	TIOCONAZOLE BP	12	11
41	VALSARTAN	29	5
42	VELPATASVIR PREMIX IH	14	5
43	ZIDOVUDINE IP	7	7

1 Substituted by Rule 2(b) of Environment (Protection) Amendment Rules, 1993
Notified vide G.S.R. 386 (E) dated 22.04.1993

ANNEXURE -II

RAW MATERIALCONSUMPTION

S.No.	Product Name	Raw Material Description	UOM	Total Qty.
1	Abacavir sulphate	Di ethyl malonate	KG	8000.0
		Potassium di hydrogen ortho phosphosphate	KG	375.0
		Vincelactim	KG	117700.0
		Savinase 12t	KG	3150.0
		2,5-diaminopyrimidine-4,6-diol hydrochloride / 2,5-diamino-4,6-dihydropyrimidine hydrochloride(cas 56830-58-1)	KG	29000.3
		Di ethyl malonate	KG	142800
		Savinase 12t	KG	150
2	Activies	5 % palladium on char coal type 5 t 39k paste	KG	582.8
		5 % palladium on charcoal t 5t39k	KG	2248.4
3	Addgel	Ethylene di chloride	KG	27139
4	Ald/tri	Synhydride / vitride (sodiumdihydrobis (2-methoxyethoxy) alumintetolune.	KG	2610.0
		2,2,6,6-tetramethyl piperidinyloxy	KG	4.8
		Synhydride / vitride (sodiumdihydrobis (2-methoxyethoxy) alumintetolune.	KG	40
5	Amlodpine	2-amino ethanol (monoethanolamine)	KG	10420.0
		Phthalic anhydride	KG	6810
		Phthaloyl amlodipine	KG	8950
		Phthalic anhydride	KG	20240.0
		Piperidine	KG	942.0
		Ortho chloro benzaldehyde	KG	16974.0
		Sodium hydride	KG	10830.0
		Methyl3 amino crotonat	KG	36801.0
		Ethyl-4-chloro acetoacetate	KG	18624.0
		3-chloro propinoyl chloride	KG	10824.0
6	Anastazole	2,2(5-methyl-1,3-phenylene)-di acetonitrile	KG	2.5
7	Aripiprazole	Sulfolane	KG	3781.0
		M-amino phenol / 3-amino phenol	KG	8200.0
		Bis(2-chloroethyl)amine hydrochloride(cas no:821-48-7)	KG	2490.0
		2,3 dichloro aniline	KG	1800.0
		Aluminium chloride powder	KG	36458.0
8	Atazanavir sulphate	2-bromo pyridine	KG	630.0
		4-formylphenyl boronic acid.	KG	522.0
		Tert. Butyl carbazate	KG	364.5
		Tetrakis (triphenylphosphine) palladium (o).	G	8200.0
		(2r,3r)-n-(3amino-2hydroxy-4phenyl butyl)-n-isobutyl-4-amino benzenesulfonamide	KG	1819.4
		Malasya-iii	KG	1260.0

		1-hydroxy benzotriazole	KG	175
		Sodium di hydrogen ortho phosphate 1-hydrate	KG	1633
		Sulphuric acid (lr)	L	55
		Edc hcl	KG	238
		L-tert leucine	KG	345
		Oxalic acid	KG	54516.0
		Para formaldehyde 96 %	KG	41335.5
		Phenyl chloro formate	KG	116575.8
		Phenyl chloro formate	KG	4100
		Ortho cresol 99%	KG	99960.0
		Di methyl amine hcl	KG	93000.0
		Acetophenone	KG	75750.0
		Magnesium metal turnings	KG	800
		Raneynickel	KG	880
		Calcium acetate	KG	1569
		Morpholine	KG	200
		Methyl tert.butyl ether	KG	6315.4
		Pivalic acid	KG	422
		4-(4-fluoro phenyl)-2-isobutyl-3-phenyl -4-oxo-phenyl butyramide	KG	10171
		(4r-cis)-1,1-dimethyl ethyl -6-cyano-methyl-2,2- dimethyl-1,3-dioxane-4-acetate	KG	4587
		Tetra butyl ammonium hydrogen sulfate	KG	1349
		Sodium mono chloro acetate		549.8
		4-amino-2-tri fluoro methyl benzo nitrile	KG	11580.0
		Ammonium sulphate	KG	23810
		Diethanolamine	KG	198.4
		Methacrylic acid	KG	11437.0
		Meta chloro per benzoic acid	KG	15796.0
		Maleic anhydride	KG	10550.0
		Diethanolamine	KG	17555.0
		(+) Pinanediol (1s,2s,3r,5s)	G	1755.0
		N-butyl lithium	KG	6.8
		Sulphuric acid (lr)	L	575
		Isobutyl boronic acid	G	1050.1
		Valeryl chloride	KG	1599.0
		Na.hmds (2 molar solution in thf)	KG	4297.5
		(S)-4-benzyl-2-oxazolidinone(cas no.90719-32-7)	KG	999.0
		Tert-butyl bromoacetate (cas no.5292-43-3)	KG	1792.5
		Sodium sulphite	KG	25097.0
		Para toluene sulphonyl chloride	KG	50821.5
		N n di iso propyl ether	KG	175789.4
		D-ribose	KG	6650.0
		Para toluene sulphonyl chloride	KG	5500
		N n di iso propyl ether	KG	11411
		Di methyl sulfoxide	KG	57576.2

		N-methyl morpholine	KG	2295.0
		Stannic chloride anhydrous	KG	1100.0
		N-methyl morpholine	KG	360
15	Cefixime thydrate	7-phenylacetamidodeo3chloromethylcephalosporanicacid(p-methoxybenzylester)	KG	24928
		Phenol	KG	6150
		Triphenyl phosphine	KG	14135
		Sodium bromide	KG	5666
		S-2-benzothiazol-2-(2-amino thiazol-4-yl)-2-mithoxycarbonyl methoxyimino thioacetate.	KG	23135
16	Cefpodoxime proxetil	18-crown 6 ether	KG	456.7
		1-chloro ethyl isopropyl carbonate	KG	7515.5
		(Benzothiazole-2-yl)-2-(2-amiothiazole-4-yl)(z)-2-methoxyiminothoacetate.	KG	13060
		Phosphorous penta chloride	KG	194
		Methane sulphonic acid	KG	45479.8
		Sodium iodide	KG	7029
		Sodium thio sulfate	KG	5650
		1,1,3,3-tetramethylguanidine	KG	4412
		Tri methyl ortho formate	KG	11263
17	Cefuroxime Axetil	Phosphorous penta chloride	KG	4731
		Sodium meta bi sulphite	KG	168
		Chloro sulphynyl iso cyanate	KG	3245.5
		S-2-benzothiazol-2-(2-amino thiazol-4-yl)-2-mithoxycarbonyl methoxyimino thioacetate.	KG	236
		1-acetoxy ethyl bromide	KG	5670
18	Cillastazole	Alluminium chloride	KG	900
		3-chloro propinoyl chloride	KG	868
		Benzyl chloro formate 95 % w/w	KG	8600
		Tertiary butyl acetate	KG	88735
		Orthoxylene	KG	8530
		5-(4) chiorobutyl)-1-cyclohexyl-1-h-tetrazole	KG	2100
		Paraanisidine	KG	1575
		Borane tetra hydro furan complex[1,0m in thf]	L	100
		Aluminium chloride powder	KG	3950
19	Citicolin sodium	Formic acid	KG	105
		Di iso propyl amine	KG	3220
		Morpholine	KG	6650
20	Colombo	5-(4) chiorobutyl)-1-cyclohexyl-1-h-tetrazole	KG	900
		Aluminium chloride powder	KG	375
21	Cilazapril	Benzyl chloro formate 95 % w/w	KG	708.0
		L-glutamic acid	KG	7.5
		Borane tetra hydro furan complex[1,0m in thf]	L	2800.0
		Gama(s)-(6(s)-t-butoxycarbonyl-hexahydro-1-pyridazinyl)carboxyl-1,3-dioxo-2-isoindolene butyric acid	KG	2160.0
22	Common	Anhydrous ammonia	KG	55386.0
		Caustic potash flakes	KG	47947.0
		Caustic soda flakes	KG	382956.0

		Tetra butyl ammonium bromide	KG	15750.1
		Sodium bi carbonate	KG	211108.3
		Hydrogen gas	M3	27960.3
		Hyflow supercell	KG	68847.3
		Oxalic acid	KG	1110
		Sodium hydro sulphite	KG	280506.2
		Edta disodium salt	KG	3962.9
		Liquid nitrogen	KG	2001683.07
		Sodium carbonate	KG	105700
		Sodium hypo chlorite solution 4%	KG	1727
		Liquor ammonia	KG	2529573.3
		Sodium sulphate	KG	55268.0
		Vaccum salt	KG	210641.7
		Activated carbon pf-511-spl	KG	14000.0
		Crystal salt	KG	223434.5
		Activated carbon sa-125	KG	23307.5
23	Cpt	2,4-dichloro pyrimidine	KG	240
24	Darunavir	Pyridine	KG	19991.2
		4 nitro benzene sulfonyl chloride	KG	15750.0
		Sodium boro hydride	KG	92129.0
		[1(s)-benzyl-2(s),3-epoxypropyl]-carbamic acid tert.butyl ester	KG	17701.0
		Bis-(n-succinimidyl)-carbonate	KG	10758.8
		[(3a,s,6ar)-4-methoxy(3a,4,6,6a)tetrahydro-3h-fluoro(3,4-b)fura-2-one	KG	11875.0
		Iso butyl amine	KG	39518.5
		Tertiary butyl chloride(507-20-0)	KG	125187.0
		Sodium mono chloro acetate(3926-62-3)	KG	17891.0
		N-acetyl sulfanilyl chloride	KG	3900.0
		Bis (4-nitro phenyl) carbonate	KG	5392.0
		Ammonium acetate	KG	3875
25	Declatasvir	Di iso propyl ethyl amine	KG	3150
		1-hydroxy benzotriazole	KG	762
		Phenyl chloro formate	KG	1450
		Chloro acetyl chloride	KG	1750
		Di methyl sulfoxide	KG	55103.7
		1 fluoro naphthelene	KG	4150
		N-methyl morpholine	KG	440
		N-methyl-2-pyrrolidone	KG	1540
		Sodium bromide	KG	50
		Edc hcl	KG	1105.3
		Methoxycarbonyl-l-valine	KG	536
		N-(tert-butoxy carbonyl)-l-proline	KG	1564
26	Diclofenac sodium	Sodium mono chloro acetate	KG	700
		2,6-dichloro phenol	KG	1980.0
		Mono methyl chloro acetate	KG	1305.0
27	Docetxel	Aniline	KG	1155.0
		2,2,2-trichloro ethyl chloro formate	KG	757.8

		(1r,3s)-3-aminocyclopentanol hcl	KG	100
28	Dolutegravir sodium his	N,n-di methyl formamide di methyl acetal	KG	17341.0
		Lithium hydroxide	KG	3864.4
		Methyl-4-methoxy acetoacetate cas no [41	KG	7000.0
		Amino acetaldehyde di methyl acetal	KG	783.9
		3(r)-amino butan-1-ol	KG	66807.0
		(R)-3-aminobutan-1-ol.(s)-2-hydroxy-2-phenylacetate	KG	630.0
		1-(2,2-dimethoxyethyl)-5-methoxy-6-(methoxycarbonyl)-4-oxo-1h-pyridine-3-carboxylic acid	KG	189025.4
		Ammonium chloride	KG	250
		2,4-difluorobenzylamine	KG	5237
29	Domperidone	Ammonium chloride	KG	10040
		Methyl iso butyl ketone	KG	4144.1
30	Duloxetine	Di methyl sulfoxide	KG	27000
31	Efavirenz	Sodium methoxide powder (cas no:124-41-4)	KG	20800.0
32	Eletron	Oxaly chloride	KG	810.0
		Palladium acetate	KG	12.5
		Tris(o-tolyl)-phosphine	KG	62.0
		D-proline	KG	396.0
		Ethyl magnesium bromide	KG	2766.0
		Phenyl vinyl sulphone	KG	166.0
		5-bromo indole	KG	1054.0
		Lithium aluminium hydride powder/ pellets	KG	264.0
33	Empagliflozin	(S)-(+)3-hydroxy tetrahydrofuran	KG	105.0
		Diisopropyl azodicarboxylate	KG	315.0
34	Enz	2-fluoro-4-nitrobenzoicacid cas no: 403-24-7	KG	312.3
35	Erlotinib hcl	2 bromo ethyl methyl ether	KG	475
		3,4-dihydroxy benzoic acid	KG	275.0
		6,7-bis(2-methoxy ethoxy)-4(3h)-quinazolinone	KG	246.9
36	Escitalopram	Hydrobromic acid	KG	18547.0
		4-(4-dimethyl amino)-1-(4-fluoro phenyl)-1-1 hydroxy butyl-3-(hydroxy methyl) benzonitrile hydrobromide.	KG	8000.0
37	Escitalopram oxalate	Ethylene di bromide	KG	222.9
		5 cyano phthalide	KG	10726.0
		Para toluic acid	KG	601.5
		D (-) tartaric acid	KG	300.0
		4-fluoro bromo benzene	KG	17390.0
		Dimethyl amino propyl chloride hcl	KG	28907.0
		Di-p-toluoyl-d-tartaric acid	KG	0.3
		Copper sulphate pentahydrate	KG	12.0
		Recoverable 4-[4-dimethyl amino]-1-[4-fluorophenyl]-1-hydroxy butyl-3-[hydroxy methyl]benzonitrile hydrobromide + di-p-toluoyl-d	KG	9000.0
38	Etoricoxib	Acetyl chloride	KG	2541.0
		Chloro acetyl chloride	KG	7000.0
		Sodium methoxide solution 30 %	KG	49148.0
		Morpholine	KG	5035.0
		4-(methyl thio) benzylcyanide	KG	1561.0

		Ammonium acetate	KG	129.5
		Aluminaoxide	KG	48
		Potassium tertiary butoxide	KG	1718.7
		2-chloro-1,3-bis(dimethylamino)trimethinium hexafluoro phosphate	KG	1000
		Sulpher(7704-34-9)	KG	435.0
		Methyl-6-methyl nicotinate(5470-70-2)	KG	1471.5
		Hexafluoro phosphoric acid(16940-81-1)	KG	14700.0
39	Etravirine	4-amino benzonitrile	KG	18.53
		Alluminium chloride	KG	4648
		Ammonium chloride	KG	100
		Liquid nitrogen	KG	26409
40	Ezetimibe	Hydrogen peroxide	KG	50
		Tri methyl silyl chloride	KG	38348.9
		Benzyl bromide	KG	17991.0
		N,o-bis-(trimethylsilyl)-aceta mide	KG	18365.2
		4-di methyl amino pyridine	KG	2799.7
		Glutaric anhydride	KG	12191
		Sodium meta bi sulphite	KG	43030.5
		Para hydroxy benzaldehyde	KG	17691
		Para fluoro aniline	KG	20659
		(R) methyl oxaza borolidine 1 min toluene	KG	1826
		Fluoro benzene	KG	44950
		(S)-4-phenyl-2-oxazolidinone	KG	12671.5
		N,n,dicylohexyl carbidimide	KG	18841.0
		L (+) tartaric acid	KG	114444
		Di methyl sulfide borane	KG	5843
		Aluminium chloride powder	KG	3127
41	Flucanozole	Citric acid monohydrate	KG	25
		1 2 4 triazole	KG	1507.2
		4-amino 1,2,4- triazole	KG	160
42	Fluvastatin	N-methyl-n-phenyl-3-aminoacrolein	KG	25725.7
		3-(4-fluorophenyl)-1-(1-methylethyl)-1h-indole	KG	29645.7
43	Gefitinib	Sodium chlorite	KG	50
		Formamide 99 %	KG	1399.6
44	Gemicitibine	Benzoyl chloride	KG	3000.0
		Sodium meta periodate	KG	8.5
45	Glz	Boron trifluoride etherate	KG	3560
		Sodium boro hydride	KG	310
		Phosphoric acid 85%	KG	300
		T.c.p-1,3-(2h,3ah) dione (cas 5763-44-0)	KG	1000
		N-c.m b sulphonamide (cas no 1694-06-0)	KG	930
46	Hcc	Light liquid parafin oil	KG	63405.6
		Emme	KG	32819.7
		Meta chloro aniline	KG	17250
		Ethyl mono ethanol amine	KG	39330
		Mono ethylene glycol	KG	19400

		Smo powder	KG	5000
		Hydroxynovoldiamine	KG	378
47	Hnf	Methyl iso butyl ketone	KG	701.25
		Sulphuric acid (lr)	L	30
		Phosphoric acid 85%	KG	6850
48	Hrf-009	N-heptane 99 %	KG	546
		2,4,6-trifluorobenzyl amine	KG	88
49	Hydralazine hcl	Zinc dust	KG	61742.0
		Hydrazine hydrate 80%	KG	87055
		Pthalamide	KG	76800.0
		Hydrogen peroxide	KG	224732.6
50	Imatinib mesylate	Cyanamide	KG	11161.0
		Phosphorous penta chloride	KG	3379.0
		Nitric acid 72 %	KG	7708.0
		Nitric acid 72 %	KG	8461.0
		2 methyl-5-nitroaniline	KG	12250
		N-butanol	KG	539922.8
		4-bromo methyl benzonitrile	KG	14920.0
51	Irbisartan	4-bromo methyl-2 cyano biphenyl	KG	10000
		Sodium boro hydride	KG	50
52	Lacosamide	Citric acid monohydrate	KG	45299
		Baccatin-iii	KG	275.3
53	Lamivudine	Sodium bi sulphite	KG	1656825
		Glyoxalic acid 50 %	KG	2143506.8
		Cytosine	KG	553147.0
		Hexa methyl di silazane	KG	698959.2
		2,5-dihydroxy-1,4-dithiane	KG	860000.0
		Menthol	KG	1138950.0
		Para toluene sulphonic acid	KG	708.1
		Di potassium hydrogen ortho phosphate	KG	10198
		Fumaric acid	KG	2125
		Salicylic acid	KG	7385
		Sodium boro hydride	KG	7495
		Phosphoric acid 85%	KG	52950
		Para toluene sulphonic acid	KG	1685
		Distilled hexa methyl disilazne	KG	305120.0
54	Letrozole	Mix solvent(residue of menthol, toluene)	KG	578965.4
		Potassium iodide	KG	612.0
		1 2 4 triazole	KG	2385.0
55	Levetiracetam	N-methyl piperazine	KG	10506.0
		Zinc chloride	KG	5441.0
		4-chloro butyroyl chloride	KG	52100
		Ammonium sulphate	KG	220
		(S)-2-amino butyramide hcl	KG	47500
		Zinc chloride anhydrous	KG	2549.5
		Butyramide	KG	30

		Gama butyro lactone	KG	154908
		Ammonium chloride	KG	76583.9
		Anhydrous hcl	KG	30080.0
		Benzyl chloride	KG	55910.0
		Potassium tertiary butoxide	KG	4140.0
		Di tert.butyl di carbonate	KG	71776.5
		Ethyl bromo acetate	KG	11686.0
		L-valine	KG	36815.0
		Imidazole	KG	9370.0
		L-phenyl-l- alanine	KG	32801.0
56	Lopinavir	Acrylonitrile	KG	22299
		Methane sulphonic acid	KG	73950.0
		Magnesium metal turnings	KG	49518
		Potassium carbonate	KG	72217.0
		Raneynickel	KG	14392.0
		2,2,2 tri fluoro acetic acid	KG	53623.0
		Iodine	KG	424.6
		2,6 xylenol	KG	8602.0
		Methyl chloro formate	KG	57362
		Lithium chloride	KG	1146.0
		Sodium amide	KG	2520.0
		Magnesium chips	KG	6552.0
		(2s,3s,5s)-2-amino-3-hydroxy-5-tert butylcarbonyl amino-1,6-diphenyl-hexane	KG	21431.7
		(S,e)-5-amino-2-(dibenzylamino)-1,6-diphenylhex-4-en-3-one	KG	9751.3
57	Loratadine	Chloro sulphonic acid	KG	3360
		Calcium chloride	KG	4900
		Boric acid	KG	3050
		N n di iso propyl ether	KG	10919
		Di iso propyl amine	KG	1655
		Sodium boro hydride	KG	300
		Phosphoric acid 85%	KG	400
		Ethyl chloro formate	KG	800
58	Losartan potassium	Calcium chloride	KG	18150
		Ferric chloride	KG	3365.0
		Sodium hydro sulphite	KG	14866.3
		Edta disodium salt	KG	183.2
		Ethyl bromide	KG	3117.5
		Glycine	KG	61202.3
		Valeionitrile	KG	82403.0
		(Pentanimidoylamino) acetic acid	KG	5500.0
		Para chloro toluene	KG	13551.5
		Para bromo toluene	KG	900.5
		Ortho chloro benzonitrile	KG	9000.0
		Manganese chloride anhydrous	KG	5145
		2,2 azobis isobutyro nitrile	KG	2218.7
		1,3 di bromo 5,5 di methyl hydantion	KG	64467.0

		2 cyano4 methyl biphenyl/ ortho tolyl benzonitrile	KG	126401.0
		Liquid bromine	KG	30915
		Di methyl sulfoxide	KG	3628.8
		Sodium meta bi sulphite	KG	60647.6
		1 fluoro naphthelene	KG	200
		Sodium azide	KG	4065
		Sodium boro hydride	KG	845
		2-butyl-4-chloro-5-formyl imidazole	KG	32000
		Magnesium chloride anhydrous	KG	100
		4-bromo methyl-2 cyano biphenyl	KG	27232
		Zinc chloride anhydrous	KG	680
		Chloroform	KG	5600
		Ammonium formate	KG	179
		Sodium thio sulfate	KG	150.0
		Sodium bromide	KG	339.0
		(S)-methyl-3-(tert-butoxycarbonylamino)-3-phenyl propanoate	KG	1050.0
59	Maraviroc	8-benzyl-3-(3-isopropyl-5-methyl-4h-1,2,4-triazol-4-yl)-8-aza-bicyclo[3.2.1]octane	KG	1320.0
		Cyanocobalamin [68-19-9]	KG	4.5
		Cyanocobalamin [68-19-9]	KG	4.5
60	Methylcobalamine	Sodium boro hydride	KG	340
		Cyanocobalamin [68-19-9]	KG	2
61	Nebivolol hcl	Alluminium chloride	KG	48552.0
		Para fluoro anisole	KG	9164
62	Nevropine	Ammonium acetate	KG	2540.0
		2-chloro nicotinic acid	KG	31030.0
		3-amino 2-chloro-4-methyl pyridine	KG	7000.0
		Chloroform	KG	8400
63	Nilotinib	3-[(aminoiminomethyl) amino]-4-methyl benzoic acid methyl ester mononitrate (cas no.1025716-99-7)	KG	560.0
64	Olmesartan	Methyl magnesium chloride in thf(3 molar solution)(676-58-4)	KG	1900.0
		Tri ethyl ortho formate	KG	132060.0
		N-heptane 99 %	KG	77179.26
		Benzene sulphonic acid	KG	12636
		Sodium azide	KG	26021
		Shikimic acid	KG	58602
		Tri ethyl silane	KG	59968
		Phosphoric acid 85%	KG	50549.8
		2-2-di methoxy propane	KG	1000.0
		Triphenyl phosphine	KG	36033.0
		Titanium tetra chloride	KG	86400
		Di ethyl ketone / 3-pentanone	KG	46985.0
		Tertiary butyl amine	KG	1310
		Zinc dust	KG	28550
		Ammonium chloride	KG	11718
65	Oseltamavir phosphate	Boric acid	KG	100

		Citric acid monohydrate	KG	200
		Fumaric acid	KG	425
		Di methyl sulfoxide	KG	453.6
		1 fluoro naphthelene	KG	150
		Palladium acetate	KG	5715
		2,2,2 tri fluoro acetic acid	KG	8160
		Sodium boro hydride	KG	250
		Magnesium chloride anhydrous	KG	175
		1,3-dimethyl barbituric acid	KG	350
		Diallylamine	KG	2505
		Zinc chloride anhydrous	KG	680
		Manganese chloride anhydrous	KG	625
67	Panto prazole sodium-prestage	Di methyl sulphate	KG	273894
		Phosphorous oxy chloride	KG	881197
		Acetonitrile	KG	812069.0
		Sodium tungstate	KG	2448.6
		Acetic anhydride	KG	228577.9
		Maltol	KG	186600.0
		Sodium thio sulfate	KG	1461
		Ammonium sulphate	KG	34425
		Sodium hypo chlorite solution 4%	KG	312688
68	Pazopanib	Methyl iodide	KG	2394.9
		3-methyl 6-nitro 1h-indazole	KG	792.0
		2,4-dichloro pyrimidine	KG	1816
		Cesium carbonate	KG	2385.0
		2-methyl-5-nitrobenzene sulphonamide	KG	450.0
69	Pioglitazone hcl	5-ethyl-2-pyridine ethanol	KG	600.0
		2,4-thiazolidinedione	KG	378.0
		Pyrrolidine	KG	192.0
70	Quinafine hemifumarate	Polyphosohoric acid	KG	278010.0
		Iron powder	KG	360.0
		Ortho chloro nitro benzene	KG	53750.0
		Thiophenol	KG	61692
71	Ritonavir	4-nitro phenyl chloro formate	KG	3403.0
		Phosphorous penta sulphide	KG	5103.0
		Mono methyl amine 25 % in methanol	KG	314.3
		Methyl tert.butyl ether	KG	359639.8
		Mono methyl amine 40 %	KG	55327.1
		5-hydroxy methyl thiazole	KG	1500.0
		Isobutaramide	KG	5610.0
		1,3 dichloro acetone	KG	6312.0
		Citric acid monohydrate	KG	200
		1-hydroxy benzotriazole	KG	75
		Potassium carbonate	KG	150
		Mono methyl amine 40 %	KG	46
		Iso butyl chloro formate	KG	47.6

		5-hydroxy methyl thiazole	KG	332
		1,3 dichloro acetone	KG	28.5
72	Rosuvastatin	Calcium chloride	KG	100
		Tertiary butyl acetate	KG	2340
		Calcium acetate	KG	1527
		Tert-butyl2-((4r,6s)-6-((e)-2-(-4-(4-fluorophenyl)-6-isopropyl-2-(n-methyl sulfonamide)pyrimidin-5-yl)vinyl)-2,2-dimethyl-1,3-dioxan	KG	7050
73	Rizatriptan	4-nitro benzyl bromide	KG	504.0
		Hbr in acetic acid 33 %	KG	2216.5
		2,6-difluorobenzoic acid	KG	768.0
74	Solvents	Absolute alcohol	L	1247180
		Acetone	KG	3459454
		Di methyl acetamide	KG	133650
		Thionyl chloride	KG	1349778.0
		N-hexane	L	4229734.765
		Tri ethyl amine	KG	1130278
		Caustic soda lye	KG	335345.33
		Ethylene di chloride	KG	45753.6
		Formaldehyde	KG	1438960.1
		1,4 dioxane	KG	139249.9
		Acetic acid	KG	827404.4
		Tetra hydro furan	KG	900022
		Ethyl acetate	KG	4405603.57
		Hydrochloric acid (c.p)	KG	863609
		Hydrochloric acid (com)	KG	3136949.06
		Iso propyl alcohol	KG	1475266.85
		Cyclohexane	KG	524174.97
		N n di methyl formamide	KG	1015224.672
		Methylene chloride	KG	13546241.46
		Orthoxylene	KG	5537.7
		Sulphuric acid (cp)	KG	338212.7
		Chloroform	KG	3128202.3
		Toluene	KG	6619228.01
		Methanol	KG	8219123.8
		Butyl acetate	KG	5960
		Benzene	KG	20330
		Acetonitrile	KG	113390.04
		Liquor ammonia	KG	291382
		Sodium methoxide solution 30 %	KG	315067
		C.p.lye 48 %	KG	12618
75	Temisartan	N-methyl-1,2-benzene diamine dihydro chloride(25148-68-9)	KG	1188.25
		2-propyl-1h-imidazole-4,5-dicarboxy acid diethyl ester(144689-94-1)	KG	400.0
		Fuming nitric acid	KG	1000
76	Temozolomide	5-amino-1h-imidazole-4-carboxamide hcl	KG	192.0
		Di ethyl phosphite	KG	34251.0

77	Tenofovir	Ammonium chloride	KG	350
		Fumaric acid	KG	10998
		Salicylic acid	KG	275
		Phosphoric acid 85%	KG	300
		N-methyl-2-pyrrolidone	KG	54450
		Chloromethyl iso propyl carbonate	KG	74000
78	Terbinafine hcl	2-propanol / acrolein	KG	3150
		1-chloro-6,6-dimethyl-2- hepten-4-yne	KG	37
79	Ticonazole	2,2 azobis isobutyro nitrile	KG	191.3
		1,3 di bromo 5,5 di methyl hydantion	KG	1700
		3-methyl thiophene	KG	1800
		Paraanisidine	KG	200
		Sulphuryl chloride	KG	2050
80	Torsemide	Meta toluidine(cas no.108-44-1)	KG	843.0
		4-hydroxy pyridine-3-sulfonic acid cas 51498-37-4	KG	1125.0
81	Valsartan	Synhydride / vitride(sodiumdihydrobis(2-methoxyethoxy)alumintetolune.	KG	10115
		Zinc chloride	KG	2000
		Cyanamide	KG	205.88
		Sodium azide	KG	12835
		4-bromo methyl-2 cyano biphenyl	KG	19166
		N-methyl-2-pyrrolidone	KG	440
		Zinc chloride anhydrous	KG	20093.05
		Tetrabutylphosphonium bromide	KG	551.9
82	Voriconazole	2,4-difluoro-2-(1h-1,2,4-triazole-1-yl)acetophenone	KG	1392.0
		Lead powder	KG	96.0
		N bromo succinamide	KG	1985.0
		3-(6-chloro-5-fluoropyrimidin-4-yl)-2-(2,4-difluorophenyl)-1-(1h-1,2,4-triazol-1-yl)butan-2-ol hcl(188416-20-8)	KG	315.0
		6-ethyl-5-fluoro-4-hydroxy-pyrimidine	KG	1725.0
83	Zidovudine	Trityl chloride	KG	141775
		Methane sulfonyl chloride	KG	113245.7
		Sodium carbonate	KG	306014.0
		Beta thymidine (technical grade)	KG	94500.0
		Sodium acetate anhydrous	KG	18032.0
		4-hydroxy coumarin	KG	9900.0
		Hydroxyl amine hcl	KG	14975.0
		Ammonium chloride	KG	1750
		Di methyl sulfoxide	KG	9525.6
		Sodium azide	KG	8310
		Para toluene sulphonic acid	KG	2150
		Para nitro benzoic acid	KG	201.0



SV ENVIRO LABS & CONSULTANTS

Environmental Engineers & Consultants in Pollution Control Enviro

House,,B-1, Block - B, IDA
Autonagar,Visakhapatnam

Phone: 9440338628

Email:info@senvirolabs.com

(Recognized by GOI, Ministry of Environment & Forests)

(An ISO 9001 Certified and NABET Accredited for EIA)



Ref Code	SVELC/HLL3/21-08/001	Date : 20-08-2021
----------	----------------------	-------------------

Name and Address	M/s. HETERO LABS LIMITED (UNIT-III) Nallamatipalem Village, Nakkapally Mandal, Visakhapatnam (Dt).
------------------	--

Sample Particulars	Ambient Air Quality
--------------------	---------------------

Source of Collection	Near Canteen Area
----------------------	-------------------

Sample Code	SVELC/21/AAQ/862
-------------	------------------

Date and Time of Start	11-08-2021 10:45 hr
------------------------	---------------------

Duration of Sampling	24 Hours
----------------------	----------

Atmosphere Condition	CLEAR SKY
----------------------	-----------

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	METHOD	NAAQ STANDARD
1	Particulate Matter – PM ₁₀	µg/m ³	64.2	IS : 5182 – P-23	100
2	Particulate Matter – PM _{2.5}	µg/m ³	23.6	IS : 5182 – P-24	60
3	Sulphur Dioxide – SO ₂	µg/m ³	14.8	IS : 5182 – P-2	80
4	Oxides of Nitrogen – NO _x	µg/m ³	12.4	IS : 5182 – P-6	80

ANALYZED BY



SV ENVIRONMENT
SV ENVIRO LABS & CONSULTANTS



SV ENVIRO LABS & CONSULTANTS

Environmental Engineers & Consultants in Pollution Control Enviro

House,,B-1, Block - B, IDA

Autonagar,Visakhapatnam

Phone: 9440338628

Email:info@senvirolabs.com

(Recognized by GOI, Ministry of Environment & Forests)

(An ISO 9001 Certified and NABET Accredited for EIA)



Ref Code	: SVELC/HLL3/21-08/002	Date : 20-08-2021
Name and Address	: M/s. HETERO LABS LIMITED (UNIT-III) Nallamatipalem Village, Nakkapally Mandal, Visakhapatnam (Dt).	
Sample Particulars	: Ambient Air Quality	
Source of Collection	: Near Production Area (Block-A)	
Sample Code	: SVELC/21/AAQ/863	
Date and Time of Start	: 11-08-2021 11:00 hr	
Duration of Sampling	: 24 Hours	
Atmosphere Condition	: CLEAR SKY	

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	METHOD	NAAQ STANDARD
1	Particulate Matter – PM ₁₀	µg/m ³	60.4	IS : 5182 – P-23	100
2	Particulate Matter – PM _{2.5}	µg/m ³	21.6	IS : 5182 – P-24	60
3	Sulphur Dioxide – SO ₂	µg/m ³	13.8	IS : 5182 – P-2	80
4	Oxides of Nitrogen – NO _x	µg/m ³	11.2	IS : 5182 – P-6	80

ANALYZED BY

SV ENVIRO LABS & CONSULTANTS





SV ENVIRO LABS & CONSULTANTS

Environmental Engineers & Consultants in Pollution Control

Enviro House,,B-1, Block - B, IDA

Autonagar,Visakhapatnam

Phone: 9440338628

Email:info@senvirolabs.com

(Recognized by GOI, Ministry of Environment & Forests)

(An ISO 9001 Certified and NABET Accredited for EIA)

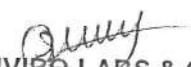


Ref Code	: SVELC/HLL3/21-08/003	Date : 20-08-2021
Name and Address	: M/s. HETERO LABS LIMITED (UNIT-III) Nallamatipalem Village, Nakkapally Mandal, Visakhapatnam (Dt).	
Sample Particulars	: Ambient Air Quality	
Source of Collection	: Near Production Block	
Sample Code	: SVELC/21/AAQ/864	
Date and Time of Start	: 11-08-2021 11:15 hr	
Duration of Sampling	: 24 Hours	
Atmosphere Condition	: CLEAR SKY	

TEST REPORT

S.NO	PARAMETER	UNIT	RESULT	METHOD	NAAQ STANDARD
1	Particulate Matter – PM ₁₀	µg/m ³	61.8	IS : 5182 – P-23	100
2	Particulate Matter – PM _{2.5}	µg/m ³	26.2	IS : 5182 – P-24	60
3	Sulphur Dioxide – SO ₂	µg/m ³	15.4	IS : 5182 – P-2	80
4	Oxides of Nitrogen – NO _x	µg/m ³	12.6	IS : 5182 – P-6	80


ANALYZED BY


SV ENVIRO LABS & CONSULTANTS





SV ENVIRO LABS & CONSULTANTS

Environmental Engineers & Consultants in Pollution Control

Enviro House,,B-1, Block - B, IDA

Autonagar,Visakhapatnam

Phone: 9440338628

Email:info@senvirolabs.com

(Recognized by GOI, Ministry of Environment & Forests)

(An ISO 9001 Certified and NABET Accredited for EIA)



Ref Code : SVELC/HLL3/21-08/007 Date : 20-08-2021

Name and Address : M/s. HETERO LABS LIMITED (UNIT-III)
Nallamatipalem Village, Nakkapally Mandal,
Visakhapatnam (Dt).

Sample Particulars : Stack Monitoring

Source of Collection : 1010 KVA Generator

Sample Code : SVELC/21/SE/866

Date and Time of Start : 11-08-2021 15:45 hr

Duration of Sampling : 30 MINS

TEST REPORT

STACK DETAILS

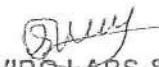
S No	Description	Unit	Result
1	Pitot Coefficient	-	0.87
2	Specific Gravity of Fluid	-	1.0
3	Temperature @ DGM	°C	33
4	Stack Temperature	°C	185
5	Nozzle diameter	mm	10
6	Exit Velocity	m/sec	15.8
7	Fuel Used	-	HSD

EMISSION DATA

S.No	Parameter	Unit	Result	Method	Standard
1	Particulate matter – PM	mg/nm³	63.8	IS:11255 – P-1	115
2	Sulphur Dioxide – SO₂	mg/nm³	29.6	IS:11255 – P-2	-
3	Oxides of Nitrogen – NOx	mg/nm³	48.2	IS:11255 – P-7	-


ANALYZED BY




APPROVED
SV ENVIRO LABS & CONSULTANTS

SV ENVIRO LABS & CONSULTANTS

Environmental Engineers & Consultants in Pollution Control

Enviro House,,B-1, Block - B, IDA

Autonagar,Visakhapatnam

Phone: 9440338628

Email:info@senvirolabs.com

(Recognized by GOI, Ministry of Environment & Forests)

(An ISO 9001 Certified and NABET Accredited for EIA)



Ref Code : SVELC/HLL3/21-08/005

Date : 20-08-2021

Name and Address : M/s. HETERO LABS LIMITED (UNIT-III)
Nallamatipalem Village, Nakkapally Mandal,
Visakhapatnam (Dt).

Sample Particulars : Effluent Analysis

Source of Collection : ETP INLET

Sample Code : SVELC/21/EFF/859

Date of Collection : 10-08-2021

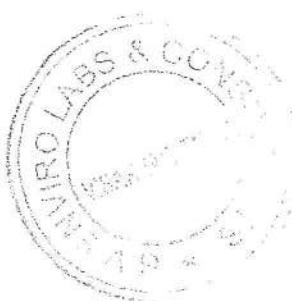
Date of Receipt : 10-08-2021

TEST REPORT

S No	Parameter	Unit	Result	Method
1	pH	-	7.46	APHA 4500-H+B, 23 rd Ed,2017
2	Suspended Solids, SS	mg/l	192	APHA 2540-D, 23 rd Ed,2017
3	Total Dissolved Solids, TDS	mg/l	13961	APHA,2540-C,23 rd Ed, 2017
4	Chemical Oxygen Demand(COD)	mg/l	11416	APHA 5220-B, 23 rd Ed,2017
5	BOD 3d 27°C	mg/l	4558	IS 3025 Part 44
6	Chlorides as Cl ⁻	mg/l	2977	APHA,4500-Cl B,23 rd Ed, 2017
7	Oil & Grease	mg/l	9.5	APHA,5520-D,5-38,23 rd Ed, 2017
8	Sulphide as S	mg/l	8.6	APHA,4500S ² D, 23 rd Ed,2017
9	Phenolic compounds (C ₆ H ₅ OH)	mg/l	0.32	APHA,5530-C, 23 rd Ed,2017
10	Cyanide as CN	mg/l	BDL	APHA,4500-CN E , 23 rd Ed,2017
11	Hexavalent chromium as Cr ⁺⁶	mg/l	BDL	APHA,3500-Cr B , 23 rd Ed,2017
12	Lead as Pb	mg/l	BDL	APHA,3120-B , 23 rd Ed,2017

Note: BDL denotes Below Detectable Level

ANALYZED BY



SV ENVIRO LABS & CONSULTANTS

SV ENVIRO LABS & CONSULTANTS

Environmental Engineers & Consultants in Pollution Control

Enviro House,,B-1, Block - B, IDA

Autonagar,Visakhapatnam

Phone: 9440338628

Email:info@senvirolabs.com

(Recognized by GOI, Ministry of Environment & Forests)

(An ISO 9001 Certified and NABET Accredited for EIA)



Ref Code : SVELC/HLL3/21-08/006

Date : 20-08-2021

Name and Address : M/s. HETERO LABS LIMITED (UNIT-III)
Nallamatipalem Village, Nakkapally Mandal,
Visakhapatnam (Dt).

Sample Particulars : Effluent Analysis

Source of Collection : ETP OUTLET

Sample Code : SVELC/21/EFF/860

Date of Collection : 10-08-2021

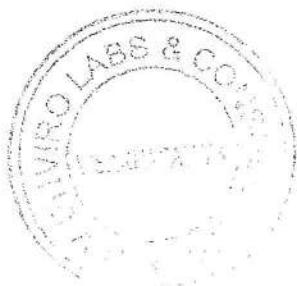
Date of Receipt : 10-08-2021

TEST REPORT

S No	Parameter	Unit	Result	Method	Standard
1	pH	-	7.40	APHA 4500-H+B, 23 rd Ed,2017	5.5-9.0
2	Suspended Solids, SS	mg/l	16	APHA 2540-D, 23 rd Ed,2017	100
3	Total Dissolved Solids, TDS	mg/l	1732	APHA,2540-C,23 rd Ed, 2017	-
4	Chemical Oxygen Demand(COD)	mg/l	186	APHA 5220-B, 23 rd Ed,2017	250
5	BOD 3d 27°C	mg/l	70	IS 3025 Part 44	100
6	Chlorides as Cl ⁻	mg/l	406	APHA,4500-Cl B,23 rd Ed, 2017	1000
7	Oil & Grease	mg/l	2.3	APHA,5520-D,5-38,23 rd Ed, 2017	10
8	Sulphide as S	mg/l	0.15	APHA,4500S ² D, 23 rd Ed,2017	2.0
9	Phenolic compounds (C ₆ H ₅ OH)	mg/l	0.06	APHA,5530-C, 23 rd Ed,2017	1.0
10	Cyanide as CN	mg/l	BDL	APHA,4500-CN E , 23 rd Ed,2017	0.2
11	Hexavalent chromium as Cr ⁺⁶	mg/l	BDL	APHA,3500-Cr B , 23 rd Ed,2017	0.1
12	Lead as Pb	mg/l	BDL	APHA,3120-B , 23 rd Ed,2017	0.1

Note: BDL denotes Below Detectable Level

ANALYZED BY



SV ENVIRO LABS & CONSULTANTS