

Date: 10-JUN-20

To,
The Environmental Officer,
Karnataka State Pollution Control Board,
Regional Office: Anekal region
Nisarga Bhavan, Basaveshwaranagar
Bangalore – 560 010

Dear Sir,

Subject: Submission of Hazardous waste Annual returns in form -4 from Apotex research pvt ltd plot No.2, 4th phase, Bommasandra industrial area, Jigani link road, Bangalore-560 099

Reference: Section 6(5) of Hazardous and other wastes (Management & Transboundary movement) Rules-2016

Find the enclosures herewith the hazardous waste annual returns for the year 2019-20 in Form -4.

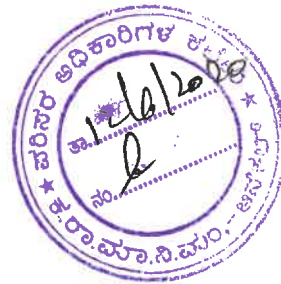
Kindly acknowledge the receipt of the same

Thanking you

For Apotex Research pvt Ltd

Prasanna kumar R

Manager –EHS



APOTEX RESEARCH PRIVATE LIMITED

Plot 1 & 2, Bommasandra Indl. Area, 4th Phase, Jigani Link Road, Bangalore 560 099.

CIN: U73100KA2003PTC032103, Phone : +91 80 22151014 / 71501014, Fax : +91 80 27839997, www.apotex.com

FORM-4
[See rules 6(5), 13(8), 16(6) and 20(2)]
FORM FOR FILING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF THE FACILITY

[To be submitted by the occupier/operator of disposal facility to state pollution control board/pollution control committee by 30th June of every year for the preceding period of April 2019 to March 2020.]

1	Name and address of the generator of facility	Apotex research pvt. ltd, Plot-2, IV-Phase, Jigani link road. Bommasandra Industrial area. Bangalore-560099.				
2	Authorization No. & Date Of issue	PCB/HWM/SEO/H.D.Reg.No.54820/2013-14/H-1360 DATED 25-Oct-13				
3	Name of the authorized person and full address with telephone and fax number & email.	Mr. PARAMESWARAN. P S Site Head. Apotex research pvt, ltd, Plot-2, IV-Phase, Jigani link road. Bommasandra Industrial area, Bangalore-560099.				
4	Production during the year (Product wise) wherever applicable	Bio equivalence and Bio availability study center				
PART-A: TO BE FILLED BY HAZARDOUS WASTE GENERATOR						
1 Total quantity of waste generated category wise						
Quantity of hazardous waste (in MTA)	Type of hazardous waste		Quantity (KL/MT)			
			Authorized	Generated		
	(a)Used oil		0.5KL	0.1MT		
	(b) Oil soaked cotton waste Oil filters		0.1MT	0.005MT		
	(c) ETP Sludge		2.0 MT	0.66 MT		
	(d) Off Specification Product.		1.0MT	0.055MT		
	(e) Containers.		200Numbers	2 Nos.,		
(f) Liners		0.05MT	0.002MT			
2 Quantity dispatched						
	I. TO Facility	Name & address of consignee	Type of Hazardous Waste	Category No.	Quantity (MT)	
		Ramky	ETP Sludge	35.3	NIL	
	E Nano Incintech	Off-Specification products	28.4 / 28.5	0.1MT		
		Oil Soaked Cotton Waste	5.2	0.0055MT		
		Containers	33.1	8 No's		
	II. To recycler or co-processors or pre-processor	Linners	33.1	0.008MT		
		Bharat Lubricants	Used Oil	5.1	0.1MT	
	Others	NIL	NIL	NIL	NIL	
	3 Quantity Utilized in-house if any-					
	NIL					

4	Quantity in storage at the end of the year -31-MAR-2020		
	Type of hazardous waste	Quantity (KL/MT)	
		Authorized	Generated
	(a) Used oil	0.5KL	NIL
	(b) Oil soaked cotton waste Oil filters	0.1MT	NIL
	(c) ETP Sludge	2MT	1.49 MT
	(d) Off Specification Product.	1MT	NIL
	(e) Containers.	200MT	NIL
	(f) Liners	0.05MT	NIL

Date: 10-Jun-20
Place: Bangalore

Signature of the occupier or operator of the facility



Test Reports

Name & Address of the Customer : **M/s. Apotex Research Pvt. Ltd., (BEC)**
Plot No.2, Bommasandra Industrial Area,
Jigani Link Road, Bangalore 560099

Date of Sample Collection : 28/06/2019
Particulars of sample : Borewell Water
Sample Qty: 2 Liters + 250 ml, Sampling Type: Grab
Sampling Point: Not Specified

Date of sample Receipt : 28/06/2019
Sample ID/Code : NALRC/2019/06/W/489
Date of Analysis Started : 28/06/2019
Date of completion : 02/07/2019
Report No : NALRC/2019/07/551
Report Date : 02/07/2019
Page No : 1/2
Description : Colorless, Odorless, transparent liquid.

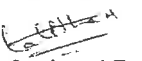
Parameters	Results	Requirement Acceptable Limits	Permissible limit in the absence at alternate source	Test Method
		(As per IS 10500:2012)		

Physical parameters:

Color, Hazen Units	<5	5	15	IS 3025 (P-04)1983 RA 2017
Odor	Agreeable	Agreeable	Agreeable	IS 3025 (P-09)1984 RA 2017
pH Value	74	6.5-8.5	No relaxation	IS 3025 (P-11)1983 RA 2017
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-08)1984 RA 2017
Turbidity, NTU	2.8	1	5	IS 3025 (P-10)1984 RA 2017
Conductivity, μ S/cm	1031.0	---	---	IS 3025 (P-14)1984 RA 2013
Total Dissolved Solids, mg/L	577.0	500	2000	IS 3025 (P-16)1984 RA 2017

General parameters:

Aluminum as Al, mg/L	<0.03	0.03	0.2	IS 3025 (P-55)2003 RA 2014
Boron as B, mg/L	<0.1	0.5	1.0	APHA 23nd Edition4500B B
Calcium as Ca, mg/L	62.0	75	200	IS 3025 (P-40)1991 RA 2014
Chloride as Cl, mg/L	152.0	250	1000	IS 3025 (P-32)1988 RA 2014
Copper as Cu, mg/L	<0.05	0.05	1.5	IS 3025 (P-42)1992 RA 2014
Fluoride as F, mg/L	0.2	1.0	1.5	APHA 23nd Edition4500F-D
Residual Free Chlorine as Cl ₂ , mg/L	<0.2	0.2	1.0	IS 3025 (P-26)1986 RA 2014
Iron as Fe, mg/L	0.20	0.3	No relaxation	APHA 23nd Edition 3500-Fe B
Magnesium as Mg, mg/L	15.0	30	100	IS 3025 (P-46)1994RA 2014
Manganese as Mn, mg/L	<0.1	0.1	0.3	IS 3025 (P-59)2006 RA 2017
Mineral Oil, mg/L	<0.1	0.5	No relaxation	IS 3025 (P-39)1991 RA 2014
Nitrate as NO ₃ , mg/L	10.1	45	No relaxation	IS 3025 (P-34)1988 RA 2014
Selenium as Se, mg/L	<0.01	0.01	No relaxation	IS 3025 (P-56)2003 RA 2014
Sulphate as SO ₄ , mg/L	19.0	200	400	APHA 23nd Edition4500SO ₄ -E
Zinc as Zn, mg/L	<0.05	5	15	IS 3025 (P-49)1994 RA 2014
Total Hardness as CaCO ₃ , mg/L	220.0	200	600	IS 3025 (P-21)2009 RA 2014
Total Alkalinity as CaCO ₃ , mg/L	181.0	200	600	IS 3025 (P-23)1986 RA 2014
Ammonia as total ammonia-N, mg/L	<0.05	0.5	No relaxation	IS 3025 (P-34)1988 RA 2014
Chloramines as Cl ₂ , mg/L	<0.1	4.0	No relaxation	IS 3025 (P-26)1986 RA 2014
Phenolic compounds as C ₆ H ₅ OH, mg/L	<0.001	0.001	0.002	IS 3025 (P-43)1992 RA 2014


Analyzed By


Authorized Signatory

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Sampling Point: Not Specified

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Date of completion : 02/07/2019
Report No : NALRC/2019/07/551
Report Date : 02/07/2019
Page No : 2/2
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Parameters	Results	Requirement Acceptable Limits	Permissible limit in the absence at alternate source	Test Method
		(As per IS 10500:2012)		

Toxic substance Parameters:

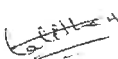
Cadmium as Cd, mg/L	<0.003	0.003	No relaxation	IS 3025 (P-41)1992 RA 2014
Lead as Pb, mg/L	<0.01	0.01	No relaxation	IS 3025 (P-47)1994 RA 2014
Chromium as Cr ⁶⁺ , mg/L	<0.05	0.05	No relaxation	IS 3025 (P-52)2003 RA 2014


Bacteriological Parameters:

Total coli form Bacteria, MPN/100ml	Absent	Shall not be detectable in 100 ml sample		IS 1622-1981 RA 2014
Escherichia Coli, MPN/100ml	Absent	Shall not be detectable in 100 ml sample		IS 1622-1981 RA 2014

Remarks: -The given sample meets to Permissible limits as per IS 10500:2012 for above Physico - chemical testing & bacteriological tests.

***** End of the Report*****


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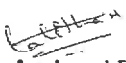
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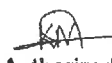
Physical parameters:

Color, Hazen Units	<5	5	15	IS 3025 (P-04)1983 RA 2017
Odor	Agreeable	Agreeable	Agreeable	IS 3025 (P-09)1984 RA 2017
pH Value	7.4	6.5-8.5	No relaxation	IS 3025 (P-11)1983 RA 2017
Taste	Agreeable	Agreeable	Agreeable	IS 3025 (P-08)1984 RA 2017
Turbidity, NTU	2.8	1	5	IS 3025 (P-10)1984 RA 2017
Conductivity, $\mu\text{S/cm}$	1031.0	---	---	IS 3025 (P-14)1984 RA 2013
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Mineral Oil, mg/L	<0.1	0.5	No relaxation	IS 3025 (P-39)1991 RA 2014
Nitrate as NO_3 , mg/L	10.1	45	No relaxation	IS 3025 (P-34)1988 RA 2014
Selenium as Se, mg/L	<0.01	0.01	No relaxation	IS 3025 (P-56)2003 RA 2014
Sulphate as SO_4 , mg/L	19.0	200	400	APHA 23nd Edition4500 SO_4^{2-}E
Zinc as Zn, mg/L	<0.05	5	15	IS 3025 (P-49)1994 RA 2014
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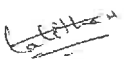
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