

PRODUCT TEST DETAILS		
Test Code : SLUDGE-SAMPLE-(AS-PER-HZARDOUS)-PARTY-SPECIFICATION-18770	Product Name : Sludge Sample (As per Hzardous)	Test Standard Name : Party Specification
Wef :	Upto :	Created At: 2018-02-27 10:55:21

PRODUCT TEST PARAMETERS						
S.No.	Test Parameter	Equipment	Method	Std Value From	Std Value To	Time Taken
1.	Parameters Concerning Undesirable Substances in excess amount					
a.	Aluminium (as Al) (mg/L)	UV-Spectrophotometer	Apha 23rd Edn.2017-3120 B/IS:3025(Part 2):2004(RA:2017)	-	-	1 Day
2.	General Parameters					
a.	Bio-chemical Oxygen Demand(mg/l)(3 days at 27°C)	BOD Incubator	IS:3025(P-44)	-	-	
3.	General Information					
a.	(5) Diameter of the Stack(cm)	-	NA	-	-	1 Day
b.	(5) Source of Noise Pollution Monitored	-	NA	-	-	5 Day
c.	(7) Purpose of Monitoring	-	Party Specified	-	-	1 Day
d.	(a) Rated Capacity	-	Party Specified	-	-	2 Day
e.	2. Stack Identification	-	Party Specified	-	-	1 Day
f.	(c) Type of fuel used & its consumption	-	Party Specified	-	-	1 Day
g.	(9) Fugitive Emission,if any	-	Party Specified	-	-	4 Day
h.	Stack Height from Ground level to Top,m	-	Party Specified	-	-	1 Day
i.	Avg. Flow Rate of Sampling,m3/min	-	NA	-	-	2 Day
j.	(b) Capacity on sampling day	-	Party Specified	-	-	2 Day
k.	Name of the emission source monitored	-	Party Specified	-	-	4 Day
l.	(a) Status	-	Party Specified	-	-	1 Day
4.	Construction Water Parameters					
a.	pH Value	pH Meter	IS:3025 (Part - 11):1983(RA:2017)	-	-	7 Day
b.	Chloride as Cl	Titration	IS 456 : 2000	-	-	2 Day
c.	Water Neutralization : a) To neutralize 100ml of sample water using phenolphthalein as an indicator using 0.02N NaOH	Titration	APHA-23nd Edition	-	-	2 Day
5.	Observations					
a.	Flue Gas Temperature, °C,Avg.	-	NA	-	-	1 Day
b.	Flue Gas Velocity(m/s),Avg.	-	Party Specified	-	-	2 Day
c.	Ambient Air Temperature, °C	-	Party Specified	-	-	3 Day

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d.	Volumetric Flow Rate(Nm3/hr.)	-	Party Specified	-	-	1 Day
6.	Parameters Concerning Toxic Substances					
a.	Cadmium(as Cd)(mg/L)	ICPMS	IS:13428:2005(RA:2014)Annex. F/IS:3025(P-65)	-	-	2 Day
7.	Pesticide Residue					
a.	Bromoform(mg/l)	GCMSMS	APHA 22nd Edn 2012-6630-B	-	-	1 Day
b.	Trihalomethanes	GCMSMS	APHA 22nd Edn 2012-6440	-	-	1 Day
c.	Chlorpyriphos(µg/L)	GCMSMS	APHA 22nd Edn 2012-6440	-	-	1 Day
d.	Endosulfan(alpha,beta and sulphate(µg/l)	GCMSMS	APHA 22nd Edn 2012-6630-B	-	-	1 Day
e.	Alachlor(mg/L)	GCMSMS	APHA 22nd Edn 2012-6440	-	-	1 Day
f.	Aldrin & Dieldrin,(µg/l)	GCMSMS	APHA 22nd Edn 2012-6630-B	-	-	2 Day
8.	Microbiological Tests					
a.	(b)37°C for 24 hrs	Microbiological	Anx. C of IS: 13428	-	-	2 Day
b.	Clostridia/ml	Microbiological	Anx. D of IS: 13428	-	-	3 Day
9.	Class A					
a.	Antimony(As Sb)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
b.	Arsenic(as As)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
c.	Cadmium(As Cd)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
d.	Hexavalent Chromium(As Cr+)(mg/kg)	UV-Spectrophotometer	APHA-23rd Edition	-	-	3 Day
e.	Mercuer(As Hg)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
f.	Selenium(As Se)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
g.	Cyanide(As Cn)(mg/kg)	UV-Spectrophotometer	APHA-23rd Edition	-	-	3 Day
h.	Organo Chlorine Pesticides(mg/kg)	GCMSMS	APHA-23rd Edition Guidelines	-	-	4 Day
10.	Class B					
a.	Trivalent Chromium(As)(Cr+3)(mg/kg)	UV-Spectrophotometer	APHA-23rd Edition	-	-	3 Day
b.	Cobalt(As Co)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
c.	Coper(As Cu)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
d.	Lead(As Pb)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
e.	Molybdenum(As Mo)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
f.	Nickel(As Ni)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day

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g.	Tin(As Sn)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
h.	Silver(As Ag)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
i.	Total Phenol(As C6H5OH)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-08	-	-	3 Day
j.	Phosphorous(As P)(mg/kg)	UV-Spectrophotometer	APHA-23rd Edition	-	-	3 Day
k.	Manganese(As Mn)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
l.	Silica (As Sio2)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-09	-	-	3 Day
11.	Class C					
a.	Ammonia(As NH3)(mg/kg)	Titrimetric	APHA-23rd Edition Guidelines	-	-	3 Day
b.	Barium(As Ba)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
c.	Nitrate(As NO3)(mg/kg)	UV-Spectrophotometer	APHA-23rd Edition	-	-	3 Day
d.	Nitrite(As NO2)(mg/kg)	UV-Spectrophotometer	APHA-23rd Edition	-	-	3 Day
e.	Zinc(As Zn)(mg/kg)	UV-Spectrophotometer	STP/ITC/EW-07	-	-	3 Day
12.	Heavy Metals					
a.	Chromium(as Cr) (mg/l)	ICPMS	APHA-23 rd Edition	-	-	
13.	Class D					
a.	Total SULphur(mg/kg)	Titrimetric	APHA-23rd Edition Guidelines	-	-	3 Day
b.	Nitrogen(mg/kg)	Titrimetric	APHA-23rd Edition Guidelines	-	-	3 Day
14.	Parameters Containing Radioactive Substances/Residue					
a.	Gross Alpha(Bq/l),Max	OutSource	IS:15061-2001	-	-	1 Day
b.	Gross Beta(Bq/l),Max	OutSource	IS:14194(Part-2)2013	-	-	
15.	Class E					
a.	Flammable(Flash Point)(°C)	Visual	USEPA-SW846-1020A	-	65.5 °C or Below	1 Day
16.	Air Pollution Emissions					
a.	INDOOR AIR MONITORING	AAS	Method of Air sampling & Analysis(Method No. 822)	-	-	
17.	Stack Monitoring					
a.	Light Intensity	AAS	USEPA Method	-	-	
18.	Environmental Impact Assessment Monitoring					
a.	Traffic Density Survey	AAS	Method of Air sampling & Analysis(Method No. 822)	-	-	
19.	Organoleptic &Physical Parameter					
a.	Total Dissolved Solids (mg/L)	Gravimetric	As per IP	-	-	2 Day
20.	Description					
a.	Description	-				
21.	Chemical- env					

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a.	chemical	AAS	USEPA Method	-	-	1 Day
22.	Biological-env					
a.	biological-env	AAS	USEPA Method	-	-	
23.	Radiological-env					
a.	radiology	AAS	USEPA Method	-	-	
24.	Microbiological-env					
a.	microbiological	AAS	USEPA Method	-	-	2 Day
25.	Populations-env					
a.	population	AAS	USEPA Method	-	-	
26.	Ambient Air Quality Parameters					
a.	Chlorine	Respirable Dust Sampler (RDS)	IS 5182 (Part 19), 1982, RA: 2014	-	-	1 Day
b.	Ammonia(NH3),µg/m3	UV- Spectrophotometer	Apha 23rd Edn.2017-3120 B/IS:3025(Part 2):2004(RA:2017)	-	-	2 Day
c.	Benzene (C6H6),µg/m3	GC	IS:13270	-	-	1 Day
d.	Hydrogen Sulphide	Respirable Dust Sampler (RDS)	IS 5182 (Part 7), 1973 RA: 2014	-	-	1 Day
e.	Relative Humidity	Multi Gas Analyzer	IS 5182: (Part 10), 1999 RA: 2014	-	-	4 Day