



SMS LABS SERVICES PRIVATE LIMITED



Chemical T-2637
Biological T-2639
Mechanical T-2638

TEST REPORT

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Report No : QEN/19070167-001

Report Date: 25 Jul 2019

Customer Name : M/s. Dindigul Farm Product Private Limited
 Customer Address : SF.No.767-769, Karutha Naikkan Patty Road,
 Sendurai Village, Natham Taluk , Sendurai-624 403.
 Sample Name : Water Sample Quantity : 10 ltr
 Sample Description : Raw Water Sample Received on : 18 Jul 2019
 Reference : Test Request Form Dated 13.07.2019 Test Started on : 18 Jul 2019
 Sample Identification : NA Test Completed on : 25 Jul 2019
 Sample Drawn By : Customer

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 10500-2012-Amd:2018	
					Acceptable Limit	Permissible Limit in the absence of alternative source
Biological						
1	E coli	IS 15185	--	Absent/100mL	Absent/100mL	Absent/100mL
2	Total Coliforms	IS 15185	--	Absent/100mL	Absent/100mL	Absent/100mL
Clause 5.2, Table 1 Organoleptic And Physical						
3	Colour	IS 3025 (Part- 4)	Hazen	2	5	15
4	Odour	IS 3025 (Part -5)	--	Agreeable	Agreeable	Agreeable
5	pH Value	IS 3025 (Part 11)	--	7.09	6.5-8.5	No relaxation
6	Taste	IS 3025 (Part-8)	--	Agreeable	Agreeable	Agreeable
7	Total Dissolved Solids	IS 3025 (Part-16)	mg/L	280	500 Max	2000 Max
8	Turbidity	IS 3025 (Part-10)	NTU	Less than 0.1	1 Max	5.0 Max
Clause 5.2, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts						
9	Aluminium (as Al)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.03 Max	0.2 Max
10	Ammonia (as Total Ammonia-N)	IS 3025 (Part-34)	mg/L	BDL(DL:0.01)	0.5 Max	No relaxation
11	Anionic Detergents (as MBAS)	Annex K of IS 13428	mg/L	BDL(DL:0.05)	0.2 Max	1.0 Max
12	Barium (as Ba)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.7 Max	No relaxation
13	Boron (as B)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.5 Max	2.4 Max
14	Calcium (as Ca)	IS 3025 (Part-40)	mg/L	39	75 Max	200 Max
15	Chloramines (as Cl ₂)	APHA 23rd Edition 4500-C1 G	mg/L	BDL(DL:1.0)	4.0 Max	No relaxation
16	Chloride (as Cl)	IS 3025 (Part-32)	mg/L	63	250 Max	1000 Max

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 Sr.Executive-Chemist

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 Manager Microbiology

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					Acceptable Limit	Permissible Limit in the absence of
17	Copper (as Cu)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.05 Max	1.5 Max
18	Fluoride (as F)	IS 3025 (Part 60)	mg/L	0.3	1.0 Max	1.5 Max
19	Free Residual Chlorine	IS 3025 (Part- 26)	mg/L	BDL(DL:0.1)	0.2 Min	1.0 Min
20	Iron (as Fe)	IS:3025:(Part-53)	mg/L	BDL(DL:0.05)	1.0 Max	No relaxation
21	Magnesium (as Mg)	IS 3025 (Part-46)	mg/L	20	30 Max	100 Max
22	Manganese (as Mn)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.1 Max	0.3 Max
23	Mineral Oil	IS 3025 (Part-39)	mg/L	BLQ(LOQ:0.5)	0.5 Max	No relaxation
24	Nitrate (as NO3)	4500 NO3B APHA 23rd Edition	mg/L	29	45 Max	No relaxation
25	Phenolic Compound (as C6H5OH)	IS 3025 (Part-43)	mg/L	BDL(DL:0.001)	0.001 Max	0.002 Max
26	Selenium (as Se)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.01 Max	No relaxation
27	Silver (as Ag)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.1 Max	No relaxation
28	Sulphate (as SO4)	IS 3025 (Part-24)	mg/L	10	200 Max	400 Max
29	Sulphide (as H2S)	IS 3025 (Part-29)	mg/L	BDL(DL:0.02)	0.05 Max	No relaxation
30	Total Alkalinity (as CaCO3)	IS 3025 (Part-23)	mg/L	141	200 Max	600 Max
31	Total Hardness (as CaCO3)	IS 3025 (Part-21)	mg/L	182	200 Max	600 Max
32	Zinc (as Zn)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	5.0 Max	15.0 Max
Clause 5.2, Table 3 Parameters Concerning Toxic Substances						
33	Cadmium (as Cd)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.003 Max	No relaxation
34	Cyanide (CN)	IS 3025 (Part-27)	mg/L	BDL(DL:0.01)	0.05 Max	No relaxation
35	Lead (as Pb)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.01 Max	No relaxation
36	Mercury (as Hg)	IS 3025 (Part-48)	mg/L	BLQ(LOQ:0.0005)	0.001 Max	No relaxation
37	Molybdenum (as Mo)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.07 Max	No relaxation
38	Nickel (as Ni)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.02 Max	No relaxation
39	Polychlorinated biphenyls (as PCB)	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	mg/L	BLQ(LOQ:0.00001)	0.0005 Max	No relaxation
40	Polynuclear aromatic hydrocarbons (as PAH)	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	mg/L	BLQ(LOQ:0.00001)	0.0001Max	No relaxation
41	Total Arsenic (as As)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.01 Max	No relaxation

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					Acceptable Limit	Permissible Limit in the absence of
42	Total Chromium (as Cr)	IS 3025 (Part-65)	mg/L	BLQ(LOQ:0.001)	0.05 Max	No relaxation
Pesticide Residues						
43	2-4 Dichlorophenoxyacetic Acid	SMSLA/IN/SOP/01	µg/L	BLQ(LOQ:0.01)	30 Max	No relaxation
44	Alachlor	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	20 Max	No relaxation
45	Aldrin/Dieldrin	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.03 Max	No relaxation
46	Alpha HCH	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.01 Max	No relaxation
47	Alpha-Endosulfan	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.4 Max	No relaxation
48	Atrazine	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	2 Max	No relaxation
49	Beta -Endosulfan	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.4 Max	No relaxation
50	Beta HCH	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.04 Max	No relaxation
51	Butachlor	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	125 Max	No relaxation
52	Chlorpyrifos	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	30 Max	No relaxation
53	Delta HCH	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.04 Max	No relaxation
54	Endosulfan Sulphate	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.4 Max	No relaxation
55	Ethion	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	3 Max	No relaxation
56	Gamma HCH	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	2 Max	No relaxation
57	Isoproturon	SMSLA/IN/SOP/01	µg/L	BLQ(LOQ:0.01)	9 Max	No relaxation
58	Malathion	SMSLA/IN/SOP/01	µg/L	BLQ(LOQ:0.01)	190 Max	No relaxation

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					Acceptable Limit	Permissible Limit in the absence of
59	Methyl parathion	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	0.3 Max	No relaxation
60	Monocrotophos	SMSLA/IN/SOP/01	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
61	o,p'-DDD	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
62	o,p'DDE	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
63	o,p'DDT	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
64	p,p'-DDD	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
65	p,p'DDE	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
66	p,p'DDT	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	1 Max	No relaxation
67	Phorate	SMSLA/IN/SOP/02 and SMSLA/IN/SOP/02A	µg/L	BLQ(LOQ:0.01)	2 Max	No relaxation
Trihalomethanes						
68	Bromodichloromethane	SMSLA/IN/SOP/29	mg/L	BLQ(LOQ:0.005)	0.06 Max	No relaxation
69	Bromoform	SMSLA/IN/SOP/29	mg/L	BLQ(LOQ:0.005)	0.1 Max	No relaxation
70	Chloroform	SMSLA/IN/SOP/29	mg/L	BLQ(LOQ:0.005)	0.2 Max	No relaxation
71	Dibromochloromethane	SMSLA/IN/SOP/29	mg/L	BLQ(LOQ:0.005)	0.1 Max	No relaxation

Note : BDL: Below Detection Limit. BLQ: Below Quantification Limit, LOQ: Limit of Quantification.
Free Residual Chlorine Limit to be applicable only Chlorinated Water.

Remarks : The above mentioned water sample conforms to the requirements of Acceptable Limits as per IS 10500:2012 for the above tested parameters.

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


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