



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



TC-6118

ULR - TC611825000014217F

Report No : QEN250313018-01

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Report Date : 17 Mar 2025

Customer Name : M/s. PETROS MARINE EXIM
Customer Address : No. 5/11, Lotus Ramasamy Street, Royapuram, Chennai-600013.
Sample Name : Potable Water **Sample Quantity** : 10 Ltr x 1 No
Sample Description : Potable Water **Sampling Date** : 13 Mar 2025
Reference : Test Request Form Dated 13.03.2025 **Sample Received on** : 13 Mar 2025
Sample Drawn By : SMS Lab Representative Mr.Sambath **Test Started on** : 13 Mar 2025
Sample Location : Pre Processing Hall Tap No: 2 **Test Completed on** : 17 Mar 2025
Sample Procedure : SMSLA/EN/SOP/001 & SMSLA/MB/SOP/06

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 10500-2012-Amd:4	
					Acceptable Limit	Permissible Limit in the absence of alternative source
Biological						
1	<i>Escherichia coli</i>	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	Absent/100mL	Absent/100mL
2	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	Absent/100mL	Absent/100mL
Clause 4, Table 1 Organoleptic And Physical parameters						
3	Colour	IS 3025 (Part 04) - 2021	Hazen	Less than 1.0	5.0 Max	15.0 Max
4	Odour	IS 3025 (Part 05) - 2018	--	Agreeable	Agreeable	Agreeable
5	pH at 25°C	IS 3025 (Part 11) - 2022	--	6.71	6.5 - 8.5	No Relaxation
6	Taste	IS 3025 (Part 08) - 2023	--	Agreeable	Agreeable	Agreeable
7	Total Dissolved Solids @ 180°C	IS 3025 (Part 16) - 2023	mg/L	93	500.0 Max	2000.0 Max
8	Turbidity	IS 3025 (Part 10) -2023	NTU	Less than 0.1	1.0 Max	5.0 Max
Clause 4, Table 2 General Parameters Concerning Substances Undesirable In Excessive Amounts						
9	Aluminium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.03 Max	0.2 Max
10	Ammonia as Total Ammonia-N	IS 3025 (Part 34) - 1988 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.03)	0.5 Max	No Relaxation
11	Anionic detergents as MBAS	IS 3025 (Part 68) - 2019	mg/L	BLQ(LOQ:0.05)	0.2 Max	1.0 Max


J.Mohammed Shabir
 Authorized Signatory-Biological


M. Sarathkumar
 Authorized Signatory-Chemical

Laboratory Address: 39/6, Thiruvallur High Road, Puduchatram Post, Thirumazhisai Via, Poonamallee Taluk, Chennai – 600124.

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					Acceptable Limit	Permissible Limit in the absence of alternative source
12	Barium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.7 Max	No Relaxation
13	Boron	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.025)	0.5 Max	2.4 Max
14	Calcium as Ca	IS 3025 (Part 40) - 2024	mg/L	15	75.0 Max	200.0 Max
15	Chloramines as Cl ₂	APHA 24th Edition 4500 Cl G - 2023	mg/L	BLQ(LOQ:1.0)	4.0 Max	No Relaxation
16	Chloride as Cl	IS 3025 (Part 32) - 1988 (Reaffirmed 2019)	mg/L	21	250.0 Max	1000.0 Max
17	Copper	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.05 Max	1.5 Max
18	Fluoride as F	IS 3025 (Part 60) - 2008 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.1)	1.0 Max	1.5 Max
19	Free Residual Chlorine	IS 3025 (Part 26) - 2021	mg/L	BLQ(LOQ:0.1)	0.2 Min	1.0 Min
20	Iron as Fe	IS 3025 (Part 53) - 2024	mg/L	BLQ(LOQ:0.05)	1.0 Max	No Relaxation
21	Magnesium as Mg	IS 3025 (Part 46) - 2023	mg/L	4.6	30.0 Max	100.0 Max
22	Manganese	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.1 Max	0.3 Max
23	Mineral Oil	IS 3025 (Part 39) - 2021	mg/L	BLQ(LOQ:1.0)	1.0 Max	No Relaxation
24	Nitrate as NO ₃	APHA 24th Edition 4500 NO ₃ B - 2023	mg/L	2.1	45.0 Max	No Relaxation
25	Phenolic Compound as C ₆ H ₅ OH	IS 3025 (Part 43) Sec 1 - 2022	mg/L	BLQ(LOQ:0.001)	0.001 Max	0.002 Max
26	Selenium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.01 Max	No Relaxation
27	Silver	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.1 Max	No Relaxation
28	Sulphate as SO ₄	IS 3025 (Part 24) Sec 1 - 2022	mg/L	3.8	200.0 Max	400.0 Max
29	Sulphide as H ₂ S	IS 3025 (Part 29) - 2022	mg/L	BLQ(LOQ:0.02)	0.05 Max	No Relaxation
30	Total Alkalinity as CaCO ₃	IS 3025 (Part 23) - 2023	mg/L	50	200.0 Max	600.0 Max
31	Total Hardness as CaCO ₃	IS 3025 (Part 21) - 2009 (Reaffirmed 2019)	mg/L	56	200.0 Max	600.0 Max
32	Zinc	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	5.0 Max	15.0 Max
Clause 4, Table 3 Parameters Concerning Toxic Substances						
33	Bromodichloromethane	SMSLA/GC/SOP/32 - 2024	mg/L	BLQ (LOQ:0.005)	0.06 Max	No Relaxation

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					Acceptable Limit	Permissible Limit in the absence of alternative source
34	Bromoform	SMSLA/GC/SOP/32 - 2024	mg/L	BLQ (LOQ:0.005)	0.1 Max	No Relaxation
35	Cadmium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.003 Max	No Relaxation
36	Chloroform	SMSLA/GC/SOP/32 - 2024	mg/L	BLQ (LOQ:0.005)	0.2 Max	No Relaxation
37	Cyanide as CN	IS 3025 (Part 27) - 1986 (Reaffirmed 2019)	mg/L	BLQ(LOQ:0.01)	0.05 Max	No Relaxation
38	Dibromochloromethane	SMSLA/GC/SOP/32 - 2024	mg/L	BLQ (LOQ:0.005)	0.1 Max	No Relaxation
39	Lead	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.01 Max	No Relaxation
40	Mercury	EPA 200.8 - 1994	mg/L	BLQ(LOQ:0.0005)	0.001 Max	No Relaxation
41	Molybdenum	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.07 Max	No Relaxation
42	Nickel	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.02 Max	No Relaxation
43	PAHs	SMSLA/GC/SOP/30 - 2024	mg/L	BLQ(LOQ:0.00001) each	0.0001 Max	No Relaxation
44	PCBs	SMSLA/GC/SOP/30 - 2024	mg/L	BLQ(LOQ:0.00001) each	0.0005 Max	No Relaxation
45	Total Arsenic	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.01 Max	No Relaxation
46	Total Chromium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.05 Max	No Relaxation
47	Uranium	IS 3025 (Part 65) - 2022	mg/L	BLQ(LOQ:0.001)	0.03 Max	No Relaxation
Clause 4, Table 5 Pesticide Residues						
48	2,4-D	SMSLA/LS/SOP/01 - 2024	µg/L	BLQ(LOQ:0.01)	30.0 Max	No Relaxation
49	Aalachlor	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	20.0 Max	No Relaxation
50	Aldrin	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	0.03 Max	No Relaxation
51	Atrazine	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	2.0 Max	No Relaxation
52	Butachlor	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	125.0 Max	No Relaxation
53	Chlorpyrifos Ethyl	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	30.0 Max	No Relaxation
54	Dieldrin	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	0.03 Max	No Relaxation
55	Endosulfan Sulfate	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	0.4 Max	No Relaxation
56	Endosulfan-Alpha	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)		No Relaxation
57	Endosulfan-Beta	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)		No Relaxation
58	Ethion	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	3.0 Max	No Relaxation

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Authorized Signatory-Chemical

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					Acceptable Limit	Permissible Limit in the absence of alternative source
59	HCH-Alpha	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	0.01 Max	No Relaxation
60	HCH-Beta	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	0.04 Max	No Relaxation
61	HCH-Delta	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	0.04 Max	No Relaxation
62	Isoproturon	SMSLA/LS/SOP/01 - 2024	µg/L	BLQ(LOQ:0.01)	9 Max	No Relaxation
63	Lindane Gamma-HCH) Gamma Isomer (Known as Lindane)	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	2.0 Max	No Relaxation
64	Malathion	SMSLA/LS/SOP/01 - 2024	µg/L	BLQ(LOQ:0.005)	190 Max	No Relaxation
65	Monocrotophos	SMSLA/LS/SOP/01 - 2024	µg/L	BLQ(LOQ:0.01)	1 Max	No Relaxation
66	o,p-DDD	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	1.0 Max	No Relaxation
67	o,p-DDE	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)		No Relaxation
68	o,p-DDT	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)		No Relaxation
69	p,p-DDD	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)		No Relaxation
70	p,p-DDE	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)		No Relaxation
71	p,p-DDT	SMSLA/GC/SOP/30 - 2024	µg/L	BLQ(LOQ:0.01)	No Relaxation	
72	Parathion methyl	SMSLA/LS/SOP/01 - 2024	µg/L	BLQ(LOQ:0.005)	0.3 Max	No Relaxation
73	Phorate	SMSLA/LS/SOP/01 - 2024	µg/L	BLQ(LOQ:0.01)	2 Max	No Relaxation

Note : BLQ: Below Limit of Quantification LOQ: Limit of Quantification. NTU : Nephelometric Turbidity Units

Free Residual Chlorine Limit to be Applicable only for Chlorinated Water.

Remarks : The Potable Water Sample Conforms to the Requirements of Acceptable Limits as per IS 10500:2012 : Amd : 4 for the Parameters tested above.

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

M. Sarathkumar
Authorized Signatory-Chemical



SMS LABS SERVICES PRIVATE LIMITED

TEST REPORT



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ULR - TC611825000014218F

Report No : QEN250313018-02

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Report Date : 17 Mar 2025

Customer Name : M/s. PETROS MARINE EXIM
Customer Address : No. 5/11, Lotus Ramasamy Street, Royapuram, Chennai-600013.
Sample Name : Ice **Sample Quantity** : 2 Kg x 1 No
Sample Description : Tube Ice **Sampling Date** : 13 Mar 2025
Reference : Test Request Form Dated 13.03.2025 **Sample Received on** : 13 Mar 2025
Sample Drawn By : SMS Lab Representative Mr.Sambath **Test Started on** : 13 Mar 2025
Sample Location : Ice Maker, Processing Hall **Test Completed on** : 14 Mar 2025
Sample Procedure : SMSLA/MB/SOP/06

TEST RESULTS

S.NO	Parameter	Test Method	Unit	Results	Requirements as per IS 10500-2012-Amd:4	
					Acceptable Limit	Permissible Limit in the absence of alternative source
Biological						
1	<i>Escherichia coli</i>	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	Absent/100mL	Absent/100mL
2	Total Coliforms	IS 15185 - 2016 (Reaffirmed 2021)	Per 100mL	Absent	Absent/100mL	Absent/100mL

Remarks : The Ice Sample Conforms to the Requirements of Acceptable Limits as per IS 10500:2012 : Amd : 4 for the Parameters tested above.

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


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Authorized Signatory-Biological

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