



TC-7970

**TEST REPORT****ULR-TC797019000005668P****Report No : TUV(I)/1699/19-20/9121910446****Date : 30 Dec 2019****TUV India Pvt. Ltd.****A Member of TUV NORD Group****#8, VK Commerce, 2nd Floor, III Main Road, 6th Block****Opp. KSSIDC IT Park, Rajajinagar Industrial Estate, Bangalore - 560 010****Phone : 080-40823000, Fax : 91-080-40823000****e-mail : blrlab@tuv-nord.com, website :****www.tuv-nord.com/www.tuvindia.co.in**

Name & Address of Customer
GV Research Centers Private Limited
Soham Mansion 5-4-187/3 MG Road Secunderabad
Hyderabad - 500003

Reg No. 1699/19-20
CA No. 9121910446
Date of sample receipt 14 Dec 2019
Date(s) of analysis 14 Dec 2019-30 Dec 2019
Sample Drawn by TUV Representative (SOP No. TUVB/04/SOP/10)

SINo	Test Name	Results	Unit	LOQ/LOD	Limit as per IS 10500: 2012	Test Method
Sample Name : Water		CA No : 9121910446				
Sampling Location: Plot No.3, Synergy Square II, MN Park, Kolthur, MC Pally Mandal, Medchal-Malkajgiri Dist., Telengana , Sampling Date: 13.12.2019				Discipline: Chemical & Microbiology Products Category: Water		
Chemical Tests						
1	Odour	Not Agreeable	--	--	--	IS 3025 (P-5): 1983 (RA 2002)
2	Phenolic Compounds	< LOQ	mg/l	0.001	--	5530 D of APHA 23rd Edition 2017
3	Cyanide	< LOQ	mg/l	0.001	--	4500 CN-E of APHA 23rd Edition 2017
4	Mineral oil	< LOQ	mg/l	0.1	Max 0.5	IS 3025 (P-39) : (RA 2003)
5	Magnesium	23.30	mg/L	--		IS 3025 (Part-46): 1994 (RA 2003)
6	Fluoride	3.0	mg/l	--	--	IS 3025(P-60)-2008
7	Residual Free Chlorine	8.68	mg/l	--	--	IS 3025 (P-26)-1986 (RA 2003)
8	Total Alkalinity	261.3	mg/l	--	--	IS 3025 (P 23) 1986 (RA 2003)
9	Turbidity	10.0	NTU	--	--	IS 3025 (P-10) 1984 (RA 2002)
10	Ammonia	< LOQ	mg/l	0.10	--	IS 3025(P-34):1988 (RA 2003)

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11	Chloride	833.0	mg/l	--	--	IS 3025 (P-32):1988 (RA 2003)
12	Color	175	Hazen unit	--	--	IS 3025 (P-4): 1983 (RA 2002)
13	Nitrate	6.04	mg/l	--	--	IS 3025 (P-34): 1988 (RA 2003)
14	Anionic detergents	< LOQ	mg/l	0.10	--	Annex K of IS13428 : 2005
15	Sulphate	6.15	mg/l	--	--	IS 3025 (P-24) : 1986 (RA 1992)
16	Total Hardness	310.20	mg/l	--	--	IS 3025 (P- 21) : RA 2009
17	pH	7.85		--	--	IS 3025 (P11):1983(RA 2002)
18	Total dissolved solids	1576.0	mg/l	500	--	IS 3025 (P-10):1984 (RA 2002)
19	Sulphide as H ₂ S	Nil	mg/l	0.01	--	IS 3025 (P -29) : 1986 (RA 2003)
20	Calcium	85.84	mg/l	--	--	IS 3025 (Part 40): 1991 (RA 2003)
21	Chloramines	< LOQ	mg/l	0.02	--	IS 3025 (P-26) : 1986 (RA 2003)
22	Taste	Not Agreeable	--	--	--	IS 3025 (P-8) :1984 (RA 2002)
MicrobiologyTests						
23	Coliform count	Present	Per 100ml	--	Not Detectable	IS 15185:2016
24	E.coli	Present	Per 100ml	--	Not Detectable	IS 15185:2016
Instrument Lab						
25	Aluminium	< LOQ	mg/L	0.01	Max 0.03	TUVB/02/SOP/35
26	Copper	< LOQ	mg/L	0.01	Max 0.05	TUVB/02/SOP/35
27	Lead	< LOQ	mg/L	0.01	Max 0.01	TUVB/02/SOP/35
28	Silver	< LOQ	mg/L	0.01	Max 0.10	TUVB/02/SOP/35
29	Selenium	< LOQ	mg/L	0.01	Max 0.01	TUVB/02/SOP/35



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30	Barium	< LOQ	mg/L	0.01	Max 0.70	TUVB/02/SOP/35
31	Arsenic	< LOQ	mg/L	0.01	Max 0.01	TUVB/02/SOP/35
32	Iron	< LOQ	mg/L	0.01	Max 1.0	TUVB/02/SOP/35
33	Manganese	< LOQ	mg/L	0.01	Max 0.10	TUVB/02/SOP/35
34	Zinc	< LOQ	mg/L	0.01	Max 5.0	TUVB/02/SOP/35
35	Boron	< LOQ	mg/L	0.01	Max 0.50	TUVB/02/SOP/35
36	Cadmium	< LOQ	mg/L	0.002	Max 0.003	TUVB/02/SOP/35
37	Chromium	< LOQ	mg/L	0.01	Max 0.05	TUVB/02/SOP/35
38	Molybdenum	< LOQ	mg/L	0.01	Max 0.07	TUVB/02/SOP/35
39	Nickel	< LOQ	mg/L	0.01	Max 0.02	TUVB/02/SOP/35
40	Mercury	< LOQ	mg/L	0.001	Max 0.001	TUVB/02/SOP/35
*41	Bromoform	< LOQ	mg/L	0.01	Max 0.1	Based on EPA 501.3
*42	Dibromochloro-methane	< LOQ	mg/L	0.01	Max 0.1	Based on EPA 501.3
*43	Bromodichloro-methane	< LOQ	mg/L	0.01	Max 0.06	Based on EPA 501.3
*44	Chloroform	< LOQ	mg/L	0.01	Max 0.2	Based on EPA 501.3
*45	Polynuclear Aromatic Hydrocarbons (PAH)**	< LOQ	mg/L	0.00005	Max 0.0001	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
*46	Polychlorinated Biphenyl(PCB)**	< LOQ	mg/L	0.00005	Max 0.0005	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
*Pesticide Residues**						
47	Alachlor	< LOQ	µg/L	0.01	Max 20	TUV/03/SOP/025, Based on APHA 6440 and US-EPA 525.2
48	DDT (all isomers, sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) expressed as DDT)	< LOQ	µg/L	0.01	Max 1	TUV/03/SOP/025, Based on APHA 6440 and US-EPA 525



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49	Ethion	< LOQ	µg/L	0.01	Max 3	TUV/03/SOP/025, Based on APHA 6440 and US-EPA 525
50	Aldrin & Dieldrin	< LOQ	µg/L	0.01	Max 0.03	TUV/03/SOP/025, Based on APHA 6440 and US-EPA 525
51	Endosulphan (All isomers, sum of alpha- and beta-isomers and endosulphan sulphate expressed as endosulphan)	< LOQ	ug/L	0.01	Max 0.4	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
52	Phorate	< LOQ	µg/L	0.01	Max 2	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
53	Beta-HCH	< LOQ	µg/L	0.01	Max 0.04	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
54	Delta-HCH	< LOQ	µg/L	0.01	Max 0.04	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
55	Isoproturon	< LOQ	µg/L	0.01	Max 9	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
56	Malathion	< LOQ	µg/L	0.01	Max 190	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
57	Monocrotophos	< LOQ	µg/L	0.01	Max 1	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
58	Alpha-HCH	< LOQ	µg/L	0.01	Max 0.01	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
59	Gamma HCH (Lindane)	< LOQ	µg/L	0.01	Max 2	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525



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60	Methyl Parathion (Methyl Parathion and its oxygen analogue i.e. methyl paraoxon)	< LOQ	µg/L	0.01	Max 0.3	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
61	2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)	< LOQ	µg/L	0.01	Max 30	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
62	Atrazine	< LOQ	µg/L	0.01	Max 2	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
63	Butachlor	< LOQ	µg/L	0.01	Max 125	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525
64	Chlorpyrifos	< LOQ	µg/L	0.01	Max 30	TUV/03/SOP/025 Based on APHA 6440 US-EPA 525

LOQ-Limit of Quantification

LOD-Limit of Detection

Note: * - Not under scope of NABL accreditation of TUV India Pvt Ltd (Bangalore).

** - Above tests are subcontracted to TUV India Pvt Ltd (Pune).

Note: Sample Conforms as per IS 10500:2012 (Drinking Water Specification) for above tested parameters

Verified by

Authorized by

M. Kausalya
In Charge - Microbiology

Mr. Y.R. Sathishkumar
Sr. Analyst



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-- End of Report --