

LILABA

ANALYTICAL LABORATORIES LLP

(Formerly Known As Lilaba Analytical Laboratories)

A COMPLETE FOOD & WATER TESTING LABORATORY



LAL/QF/7.8/01

Report No. LAL-WT-030725020

TEST REPORT

ULR : TC717925000018233F

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Issued To: MAA KALI WATER UDAYPALLI, KANCHANNAGAR, PURBA BARDHAMAN-713102	Sample Code : WT-030725020 Issue Date : 14/07/2025 Your ref. : --
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PART A : PARTICULARS OF SAMPLES

1. Date of Receipt	: 03/07/2025	19. Batch No./Lot No	: TRIAL
2. Analysis starting Date	: 04/07/2025	20. Date of Mfg.	: 30/06/2025
3. Analysis completion Date	: 12/07/2025	21. Date of Expiry	: 1 Month From DOM
4. Sample Drawn By	: Lab. Rep. Mr.Varun	22. Brand Name, If Any	: N.M
5. Sampling Method	: LAL/CHEM/SOP/GEN/20	23. BIS Seal	: Not Applicable
6. Sampling Location	: LAL/QF/7.3/01	24. IO's Signature	: Not Applicable
7. Temp. at the time of Sampling	: LAL/QF/7.3/01		
8. Group Name	: Packaged Drinking Water as per - FSSAI		
9. Sample Name	: Packaged Drinking Water as per - FSSAI		
10. Description of the Sample	: Clear Liquid Without any sediments, Suspended particles & extraneous matter		
11. Sample Condition	: Received in Good Condition		
12. Temp. at the time of Sample Receipt	: N.A.		
13. Test Report As Per	: FSSAR 2011, Regulation, Clause 2.10.8		
14. Sample Qty. Received	: 1		
15. Any Other Information	: --		
16. Declared Value if any	: N.A.		
17. Grade/Variety/Type/Class/Size/etc	: 20 Ltr PET Jar		
18. Mode Of Packing	: Individual packs		

PART B : TEST RESULTS

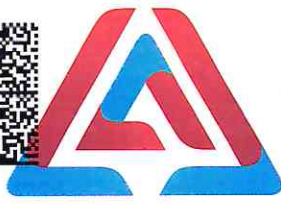
Water					
Biological Testing					
(Table 1) Microbiological Requirements					
Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
1	Escherichia coli per 250ml	Absent	-	Absent	IS 15185: 2016
2	Salmonella per 250ml	Absent	-	Absent	IS 15187: 2016
3	Shigella per 250ml	Absent	-	Absent	IS 5887 (Part 7): 1999
4	Coliform Bacteria per 250ml	Absent	-	Absent	IS 15185: 2016
5	Faecal streptococci per 250ml	Absent	-	Absent	IS 15186: 2002
6	Staphylococcus aureus per 250ml	Absent	-	Absent	IS 5887 (Part 2): 1976
7	Sulphite Reducing Anaerobes per 50ml	Absent	-	Absent	IS 13428 (Annex C): 2024
8	Pseudomonas aeruginosa per 250ml	Absent	-	Absent	IS 13428(Annex D): 2024

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Chemical Testing					
(Table 2) Organoleptic And Physical Parameters					
Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
9	Description	Clear Liquid Without Any Sediments, Suspended Particles & extraneous Matter	-	Complies	Visual
10	Odour	Agreeable	-	Agreeable	IS 3025 (Part- 5): 2018
11	Taste	Agreeable(Action Tend. Scale "a" or "b" or "c")	-	Agreeable "b"	IS 3025 (Part- 8): 2023
12	Turbidity, NTU	Max. 2.00	0.10	0.1	IS 3025 (Part- 10): 2023
13	Colour, true colour units	Max. 2.00	1.00	1	IS 3025 (Part- 4): 2021
14	Total dissolved solids, mg/l	75 to 500	6.00	101.00	IS 3025 (Part- 16), 2023
15	pH	6.00 to 8.50	2.00	7.15 at 25.0 degree celsius	IS 3025 (Part- 11): 2022

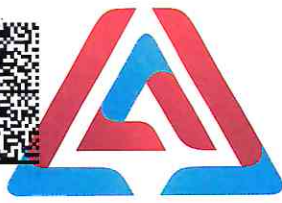
Chemical Testing					
(Table 3) General Parameters Concerning Substances Undes irable In Excessive Amounts					
Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
16	Barium (as Ba), mg/l	Max. 0.70	0.10	BLQ	IS 3025 (Part 2): 2019
17	Copper (as Cu), mg/l	Max. 0.05	0.025	BLQ	IS 3025 (Part 2): 2019
18	Iron (as Fe), mg/l	Max. 0.10	0.05	BLQ	IS 3025 (Part 2): 2019
19	Manganese (as Mn), mg/l	Max. 0.10	0.05	BLQ	IS 3025 (Part 2): 2019
20	Zinc (as Zn). mg/l	Max. 5.00	0.50	BLQ	IS 3025 (Part 2): 2019
21	Silver (as Ag), mg/l	Max. 0.01	0.005	BLQ	IS 3025 (Part 2): 2019
22	Aluminium (as Al), mg/l	Max. 0.03	0.025	BLQ	IS 3025 (Part 2): 2019
23	Chloride (as Cl), mg/l	Max. 200	1.00	7.25	IS 3025 (Part- 32): 1988
24	Selenium (as Se), mg/l	Max. 0.01	0.005	BLQ	IS 3025 (Part 2): 2019
25	Sulphate (as SO ₄), mg/l	Max. 200	1.00	8.93	IS 3025 (Part- 24/Sec 1):2022
26	Alkalinity (as HCO ₃), mg/l	Max. 200	5.00	22.20	IS 3025 (Part- 23): 2023
27	Calcium (as Ca), mg/l	10 to 75	2.00	11.09	IS 3025 (Part- 40): 2024
28	Magnesium (as Mg), mg/l	5.0 to 30	2.00	5.38	IS 3025 (Part- 46): 2023
29	Sodium (as Na), mg/l	Max. 200	1.00	3.30	IS 3025 (Part- 2): 2019
30	Residual free chlorine, mg/l	Max. 0.20	0.10	BLQ	IS 3025 (Part- 26): 2021
31	Phenolic compounds (as C ₆ H ₅ OH), mg/l	Absent	0.0005	BLQ	IS 3025 (Part- 43/Sec 1): 2022
32	Mineral oil, mg/l	Absent	0.50	BLQ	IS 3025 (Part- 39): 2021

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33	Sulphide (as H ₂ S), mg/l	Max. 0.05	0.05	BLQ	IS 3025 (Part- 29): 2022
34	Antimony (as Sb), mg/l	Max. 0.005	0.0025	BLQ	IS 3025 (Part-2): 2019
35	Borates (as B), mg/l	Max. 5.00	0.10	BLQ	IS 3025 (Part-2): 2019
36	Bromates (as BrO ₃), mg/l	Max. 0.01	0.005	BLQ	IS 3025 (Part-67): 2018


Chemical Testing**(Table 4) Parameters Concerning Toxic Substance**


Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
37	Mercury (as Hg), mg/l	Max. 0.001	0.0005	BLQ	USEPA 200.7 : Rev 4.4: 1994
38	Cadmium (as Cd) ,mg/l	Max. 0.003	0.001	BLQ	IS 3025 (Part-2): 2019
39	Arsenic (as As), mg/l	Max. 0.01	0.002	BLQ	IS 3025 (Part-2): 2019
40	Lead (as Pb), mg/l	Max. 0.01	0.0075	BLQ	IS 3025 (Part-2): 2019
41	Chromium (as Cr), mg/l	Max. 0.05	0.025	BLQ	IS 3025 (Part-2): 2019
42	Nickel (as Ni), mg/l	Max. 0.02	0.01	BLQ	IS 3025 (Part-2): 2019
43	Polychlorinated biphenyle (PCB), mg/l	Not Detectable	0.00005	N.D	LAL/CHEM/SOP/WT/GC /2 Issue No : 01 (Ref. APHA 6431): 2015
44	Polynuclear aromatic hydrocarbons, mg/l	Not Detectable	0.00005	N.D	LAL/CHEM/SOP/WT/GC /2 Issue No : 01 (Ref. APHA 6440): 2015
45	Uranium, mg/l	N.A.	0.001	BLQ	LAL/CHEM/SOP/WT/IC P/7 (Ref. IS 3025 Part-65)

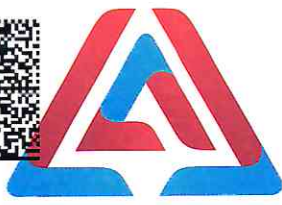
Chemical Testing**(Table 6) Parameters concerning Pesticide Residues**

Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
46	o, p DDT, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
47	o, p DDE, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
48	o, p DDD, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
49	p,p DDT, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015


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50	p,p DDE, mg/l	Max. 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
51	p,p DDD, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
52	Lindane (gamma HCH), mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
53	Alpha HCH, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
54	Beta HCH, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
55	Delta HCH, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
56	Alpha endosulfan, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
57	Beta endosulfan, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
58	Endosulfan Sulphate, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
59	Monocrotophos, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/LC MS/01: 2025
60	Ethion, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
61	Chlorpyrifos, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
62	Phorate, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
63	Phorate sulphoxide, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
64	Phorate sulphone, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015


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65	Butachlor, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
66	2,4 - D, mg/l	Max 0.0001	0.00010	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
67	Isoproturon, mg/l	Max 0.0001	0.00010	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
68	Alachlor, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
69	Atrazine, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
70	Methyl parathion, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
71	Methyl paraoxon, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
72	Malathion, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
73	Malaoxon, mg/l	Max 0.0001	0.00004	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
74	Aldrin, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
75	Dieldrin, mg/l	Max 0.0001	0.00001	BLQ	LAL/CHEM/SOP/WT/GC /3 Issue No : 01 (Ref. USEPA 508): 2015
76	Total Pesticide Residue, mg/l	Max 0.0005	0.00004	BLQ	By Calculation

REMARKS :

Test Result of above sample confirms to requirement of IS 14543 as stated in 2.10.8 Packaged Drinking water (Other than Packaged Natural Mineral Water) of FSSAI (Food Product Standard & Food Additive) Regulation, 2011.

NOTE :

Please Refer Overleaf

END OF THE TEST REPORT

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Issued To: MAA KALI WATER UDAYPALLI,KANCHANNAGAR,PURBA BARDHAMAN-713102	Sample Code : WT-030725020-N Issue Date : 14/07/2025 Your ref. : --
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PART A : PARTICULARS OF SAMPLES

1. Date of Receipt	: 03/07/2025	19. Batch No./Lot No	: TRIAL
2. Analysis starting Date	: 04/07/2025	20. Date of Mfg.	: 30/06/2025
3. Analysis completion Date	: 12/07/2025	21. Date of Expiry	: 1 Month From DOM
4. Sample Drawn By	: Lab. Rep. Mr.Varun	22. Brand Name, If Any	: N.M
5. Sampling Method	: LAL/CHEM/SOP/GEN/20	23. BIS Seal	: Not Applicable
6. Sampling Location	: LAL/QF/7.3/01	24. IO's Signature	: Not Applicable
7. Temp. at the time of Sampling	: LAL/QF/7.3/01		
8. Group Name	: Packaged Drinking Water as per - FSSAI		
9. Sample Name	: Packaged Drinking Water as per - FSSAI		
10. Description of the Sample	: Clear Liquid Without any sediments, Suspended particles& extraneous matter		
11. Sample Condition	: Received in Good Condition		
12. Temp. at the time of Sample Receipt	: N.A.		
13. Test Report As Per	: FSSAR 2011, Regulation, Clause 2.10.8		
14. Sample Qty.Received	: 1		
15. Any Other Information	: --		
16. Declared Value if any	: N.A.		
17. Grade/Variety/Type/Class/Size/etc	: 20 Ltr PET Jar		
18. Mode Of Packing	: Individual packs		

PART B : TEST RESULTS

Water

Biological Testing

(Table 1) Microbiological Requirements

Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
1	Aerobic Microbial Count at 20-22 °C in 72 h, cfu/ml,	Not more than 100	1	46	IS 5402 (Part-1): 2024
2	Yeast & Mould Per 250ml	Absent	-	Absent	IS 16069 (Part-1): 2013
3	Vibrio cholerae per 250ml	Absent	-	Absent	IS 5887 (Part-5/Sec-1): 2024
4	Vibrio parahaemolyticus per 250ml	Absent	-	Absent	IS 5887 (Part-5/Sec-1): 2024
5	Aerobic Microbial Count at 37 °C in 24 h, cfu/ml	Not more than 20	1	10	IS 5402 (Part-1): 2024

Chemical Testing

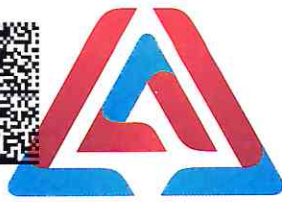
(Table 3) General Parameters Concerning Substances Undes irable In Excessive Amounts

Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD

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6	Nitrate (as NO ₃), mg/l	Max. 45.0	1.00	BLQ	IS 3025 (Part- 34Sec-1): 2023
7	Nitrite (as NO ₂), mg/l	Max. 0.02	0.005	0.0104	IS 3025 (Part- 34Sec-1): 2023
8	Fluoride (as F), mg/l	Max. 1.00	0.10	BLQ	IS 3025 (Part- 34Sec-1): 2023
9	Anionic surface active agents (as MBAS), mg/l	Max. 0.20	0.10	BLQ	IS 3025 (Part 68): 2019

Chemical Testing

(Table 4) Parameters Concerning Toxic Substance

Sr. No.	TEST NAME	SPECIFIED REQUIREMENT	LOQ	RESULTS	TEST METHOD
10	Cyanide (as CN), mg/l	Absent	0.02	Absent	IS 3025 (Part-27/Sec-1): 1986

REMARKS :

Test Result of above sample confirms to requirement of IS 14543 as stated in 2.10.8 Packaged Drinking water (Other then Packaged Natural Mineral Water) of FSSAI (Food Product Standard & Food Additive) Regulation, 2011.

NOTE :

Please Refer Overleaf

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