



ITS TESTING LABORATORY PRIVATE LIMITED

Laboratory: A-114, Sector-80, Phase-II Noida, Gautam Budh Nagar - 201305, (U.P.)
(An ISO 9001: 2015, ISO 14001:2015 & ISO 45001:2018 Certified Laboratory)
Website: www.itslab.in, Email: itrlclab@gmail.com, info@itslab.in, contact@itslab.in
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TC-11181

Doc. No. – ITS/7.8-01

Report Code: W-290526-13, Page 1 of 5

TEST REPORT

Water Sample Analysis

Report Code: W-290526-13

Issue Date: 05/06/2026

Issued To: M/S. ALKASURE BEVERAGES

Plot No 1190, Nahar Bypass, Dadri, Gautam Buddha Nagar, UP-203207

SAMPLING & ANALYSIS DATA

Sample Description	:	Packaged Drinking Water
Source of Water	:	Borewell
Sample Drawn On	:	29/05/2026
Sample Drawn By	:	Mr. Vivek Kumar (ITS Representative)
Sampling Plan & Procedure	:	IS:17614 (Part-1):2021
Sample Quantity	:	5.0 Liter in Pet Bottles
Sample Condition	:	Plastic Packed Good Condition
Weather Condition	:	Clear
Sample Received On	:	29/05/2026
Analysis Duration	:	29/05/2026 To 05/06/2026
Test Specification To Be Used	:	IS:14543: 2024

TEST RESULTS

1. MICROBIOLOGICAL REQUIREMENT:

RESULTS				
S. No.	Parameter	Test Method	Results	Limits as per IS:14543:2024
1.	Escherichia coli, (cfu/250ml)	IS-15185:2016 Reff.2021	Absent	Absent
2.	Coliform Bacteria, (cfu/250ml)	IS-15185:2016 Reff.2021	Absent	Absent

2. ORGANOLEPTIC & PHYSICAL PARAMETERS:

S. No.	Parameter	Test method	Result	Requirement (Acceptable Limit)
1.	Colour, (Hazen)	IS-3025 (P-04)	<1.0	2 Max.
2.	Odour	IS-3025 (P-05)	Agreeable	Agreeable
3.	Taste	IS-3025 (P-08)	Agreeable	Agreeable
4.	Turbidity, (NTU)	IS-3025 (P-10)	<1.0	2 Max
5.	pH value	IS-3025 (P-11)	7.76	6.5-8.5
6.	Total dissolve solids (TDS), (mg/l)	IS-3025 (P-16)	163	75 - 500

Reviewed by



Authorized Signatory



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3. GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS:

S. No.	Parameter	Test method	Result	Requirement (Acceptable Limit)
1.	Total Alkalinity (as CaCO ₃), (mg/l)	IS: 3025 (P- 23)	56.0	200 Max
2.	Sulphate (as SO ₄), (mg/l)	IS: 3025 (P- 24)	<1.0	200 Max
3.	Calcium (as Ca), (mg/l)	IS: 3025 (P- 40)	15.2	10- 75
4.	Chloride (as Cl), (mg/l)	IS: 3025 (P- 32)	28.0	200 Max
5.	Fluoride (as F), (mg/l)	IS:3025(P-60,Sec-1)	<0.1	1.0 Max
6.	Residual Free Chlorine, (mg/l)	IS: 3025 (P-26)	<0.1	0.2 Max
7.	Iron (as Fe), (mg/l)	IS: 3025 (P-53)	<0.1	0.1 Max
8.	Magnesium (as Mg), (mg/l)	IS: 3025 (P-46)	10.69	5 - 30
9.	Nitrate (as NO ₃), (mg/l)	IS:3025 (P-34,Sec-1)	<0.1	45 Max
10.	Copper (as Cu), (mg/l)	IS : 3025 (P-42)	<0.05	0.05 Max
11.	Manganese (as Mn), (mg/l)	IS:3025 (P-59)	<0.1	0.1 Max
12.	Selenium (as Se), (mg/l)	IS: 3025 (P- 56)	<0.01	0.01 Max
13.	Anionic surface Detergents (as MBAS), (mg/l)	IS: 3025 (P-68)	<0.1	0.2 Max
14.	Sulphide (as H ₂ S), (mg/l)	IS-3025 (P-29)	<0.05	0.05 Max
15.	Zinc (as Zn), (mg/l)	IS: 3025 (P- 49)	<0.05	5.0 Max
16.	Phenolic Compound (as C ₆ H ₅ OH), (mg/l)	IS:3025(P-43,Sec-1)	Absent	Absent
17.	Aluminum (as Al), (mg/l)	IS: 3025 (P- 55)	<0.01	0.03 Max
18.	Nitrite (as NO ₂), (mg/l)	IS: 3025 (P- 34)	<0.02	0.02 Max
19.	Sodium (as Na), (mg/l)	IS: 3025 (P- 45)	16.2	200 Max
20.	Mercury (as Hg), (mg/l)	IS: 3025 (P- 48)	<0.001	0.001 Max
21.	Cadmium (as Cd), (mg/l)	IS: 3025 (P- 41)	<0.001	0.01 Max
22.	Arsenic (as As), (mg/l)	IS: 3025 (P- 37)	<0.01	0.05 Max
23.	Cyanide (as CN), (mg/l)	IS: 3025 (P- 27)	Absent	Absent
24.	Lead (as Pb), (mg/l)	IS: 3025 (P- 47)	<0.01	0.01 Max
25.	Chromium (as Cr), (mg/l)	IS: 3025 (P- 52)	<0.05	0.05 Max
26.	Mineral Oil, (mg/l)	IS:3025 (P-39)	Absent	Absent
27.	Nickel (as Ni), (mg/l)	IS:3025 (P- 54)	<0.02	0.02 Max
28.	Poly Nuclear Aromatic Hydrocarbons, (mg/l)	APHA 6440	BDL	Not Detectable
29.	Poly chlorinated biphenyl, (mg/l)	IS:13428, Annex M	BDL	Not Detectable

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4. PESTICIDE RESIDUAL ANALYSIS:

S.NO.	Parameter	Test Method	Result	Limits (mg/l)
1.	Aldrin, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
2.	Dieldrin, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
3.	o,p DDT, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
4.	p,p DDT, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
5.	o,p DDE, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
6.	p,p DDE, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
7.	o,p DDD, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
8.	p,p DDD, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
9.	Alpha HCH, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
10.	Beta HCH, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
11.	Delta HCH, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
12.	Gamma-HCH (Lindane), (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
13.	Alpha Endosulfan, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
14.	Beta Endosulfan, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
15.	Endosulfan Sulphate, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.

The detection limit of individual pesticide is 0.01µg/l

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5. GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS:

S. No.	Parameter	Test method	Result	Requirement (Acceptable Limit)
1.	Silver (as Ag), (mg/l)	Annex J IS:13428	<0.01	0.01 Max
2.	Barium (as Ba), (mg/l)	IS: 15302	<0.1	0.7 Max
3.	Antimony (as Sb), (mg/l)	IS:15303	<0.005	0.005 Max
4.	Borates (as B), (mg/l)	IS:13428, Annex H	<0.1	5 Max
5.	Bromates (as BrO ₃), (mg/l)	APHA 4110-D	< 0.01	0.01 max
6.	Uranium (as U), (mg/l)	IS:3025 (P- 65)	BDL	0.03 Max

6. RESIDUAL ANALYSIS:

S. No.	Parameter	Test Method	Result	Limits (mg/l)
1.	Alachlor, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
2.	Atrazine, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
3.	Monocrotophos, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
4.	Ethion, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
5.	Chlorpyrifos, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
6.	Phorate, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
7.	Phorate Sulphonide, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
8.	2,4-Dichlorophenoxy Acetic acid, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
9.	Butachlor, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
10.	Isoproturon, (mg/l)	USEPA-532	BDL	0.0001 Max.
11.	Malathion, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
12.	Malaoxan, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
13.	Methyl parathion, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
14.	Methyl Paraoxon, (mg/l)	USEPA-Method 8270E	BDL	0.0001 Max.
15.	Total Pesticides, (mg/l)	USEPA-Method 8270E	BDL	0.0005 Max

7. MICROBIOLOGICAL REQUIREMENT:

RESULTS				
S.No.	Parameter	Test Method	Results	Limits
1.	Faecal Streptococci, (cfu/250ml)	IS:5887 (P-2) 1976 reaff. 2022	Absent	Absent
2.	Staphylococcus aureus, (cfu/50ml)	IS:5887 (P-2) 1976 reaff. 2022	Absent	Absent
3.	Sulphite reducing anaerobes, (cfu/50ml)	IS:13428 Annex. C 2024	Absent	Absent
4.	Pseudomonas aeruginosa, (cfu/50ml)	IS:13428 Annex. D 2024	Absent	Absent
5.	Aerobic Microbial Count (Incubation period 24 hrs at 37°C), (cfu/ml)	IS:5402:2021	8	NMT 20
6.	Aerobic Microbial Count (Incubation period 72 hrs at 22°C), (cfu/ml)	IS:5402:2021	14	NMT 100
7.	Yeast & Mould, (cfu/250ml)	IS:5403:1999	Absent	Absent
8.	Salmonella sp., (cfu/250ml)	IS:15187:2016 reff. 2021	Absent	Absent
9.	Shigella sp., (cfu/250ml)	IS:5887 (P-7):2022	Absent	Absent
10.	Vibrio cholera, (cfu/250ml)	IS:5887 (P-5):2023	Absent	Absent
11.	Vibrio Parahaemolyticus, (cfu/250ml)	IS:5887 (P-5):2023	Absent	Absent

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8.PARAMETERS CONCERNING RADIOACTIVE SUBSTANCES:

S.NO.	Parameter	Test Method	Result	Limit (µg/l)	Permissible Limit in absence of alternate source
1.	Alpha Emitters, (Bq/l)	IS:14194 (P-2)	BDL(0.1)	0.1	No Relaxation
2.	Beta Emitters, (Bq/l)	IS:14194 (P-1)	BDL(1.0)	1.0	No Relaxation

Remarks – Test sample complies to IS 14543:2024 & FSSAI Regul. Cl.2.10.8 for tested parameters only & fit for human consumption.

BDL: Below Detection limit.

Note: - Report shall not be produce except in full without approval of the laboratory

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End of Report

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