

BUREAU OF INDIAN STANDARDS
BIS, Eastern Regional Laboratory (ERL)

ULR No. :

DOC No.	:	EROL/QF/0710	(1) Annex Building & Sample-Cell: Bureau of Indian Standards, P-230, CIT Scheme, VII- M, Block-W, Kankurgachi, Kolkata-700054
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BO Code	:	HYBO	

Test REPORT AS PER : IS 14543 (2016)

QR Code/Barcode : 10000770731

REPORT NO : HYBO/120000651/20240805/FS/1_1

DATE : 30 Sep, 2024

PART A. PARTICULARS OF SAMPLE SUBMITTED

a) Customer Name & Address	:	-
b) Nature of sample	:	FS
c) Grade/Variety/Type/Class Size etc	:	1 Lt PET bottle
d) Declare values, if any	:	--
e) Batch No. & Date of Manufacture	:	FN0524/
f) Quantity	:	24 Ltrs
g) Date of Receipt	:	21 Aug, 2024
h) BIS Seal	:	Verified by Sample Cell
i) IO's Signature	:	Verified by Sample Cell
j) Any other Information / Expiry Date, If any	:	Packaged drinking water /04/02/2025
k) Date of Commencement of Testing	:	30 Sep, 2024
l) Date of Completion of Testing	:	
m) Section Code	:	24C39ABN
n) Section Report No.	:	24C39ABN_1
o) Report Type	:	New
p) Reference Report No.	:	
q) Remarks	:	

SHANTANABA MAJUMDER NA
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 30 Sep, 2024 19:20 PM

1. This report, in full or in part, shall not be published, advertised, used for commercial purpose or any legal action, unless prior permission has been secured from the Director General, Bureau of Indian Standards. This report is intended for "BIS CERTIFICATION MARKS PURPOSE ONLY"

2. This test report is ONLY FOR THE SAMPLE TESTED.

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PART B. SUPPLEMENTARY INFORMATION

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|--|----------------|
| 1. Reference to sampling procedure, wherever applicable. | Not Applicable |
| 2. Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any. | Not Applicable |
| 3. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. | Not Applicable |
| 3. NABL Report required ? | No |

Ankit Bhumla-CHEM
OIC Chemical
(Authorized Signatory)
Authorized on: 30 Sep, 2024 19:16 PM

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PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	Table 3, x)	Uranium	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.03 mg/l)
2	5.3	Description	Packaged drinking water shall be clear without any sediments,suspended particles and extraneous matter	-	-	-	Satisfactory
3	5.3 Table-1 i	Colour	IS 3025 Part 4	-	-	-	Less than 2 true color units (Range Max : 2 true color units)
4	5.3 Table-1 ii	Odour	IS 3025 Part 5	-	-	-	Agreeable
5	5.3 Table-1 iii	Taste	IS 3025 Part 8	-	-	-	Agreeable (ATS-C)
6	5.3 Table-1 iv	Turbidity	IS 3025 Part 10	-	-	-	Less than 1 NTU (Range Max : 2 NTU)
7	5.3 Table-1 v	Total dissolved solids	IS 3025 Part 16	-	500.0	mg/l	65.0 (mg/l)
8	5.3 Table-1vi	pH	IS 3025 Part 11	6.0	8.5	-	7.37
9	5.3 Table-2 i	Barium (as Ba)	IS 3025 Part 65	-	0.7	mg/l	0.0021 (mg/l)
10	5.3 Table-2 ii	Copper (as Cu)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.05 mg/l)
11	5.3 Table-2 iii	Iron (as Fe),	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.1 mg /l)
12	5.3 Table-2 iv	Manganese (as Mn)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.1 mg /l)
13	5.3 Table-2 v	Nitrate (as NO3)	IS 3025 Part 75	-	45.0	mg/l	5.014 (mg/l)
14	5.3 Table-2 vi	Nitrite (as NO2)	IS 3025 Part 34	-	0.02	mg/l	0.008 (mg/l)
15	5.3 Table-2vii	Fluoride (as F)	IS 3025 Part 75	-	-	-	Less than 0.1 mg/l (Range Max : 1 mg/l)
16	5.3 Table-2 viii	Zinc (as Zn)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 5 mg/l)
17	5.3 Table-2 ix	Silver (as Ag)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.01 mg/l)
18	5.3 Table-2 x	Aluminium (as Al)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.03 mg/l)
19	5.3 Table-2 xi	Chloride (as Cl)	IS 3025 Part 32	-	200.0	mg/L	10.249 (mg/l)
20	5.3 Table-2 xii	Selenium (as Se),	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.01 mg/l)
21	5.3 Table-2 xiii	Sulphate (as SO4),	IS 3025 Part 75	-	200.0	mg/l	5.452 (mg/l)
22	5.3 Table-2 xiv	Alkalinity (as HCO3)	IS 3025 Part 23	-	200.0	mg/l	22.2 (mg/l)
23	5.3 Table-2 xv	Calcium (as Ca),	IS 3025 Part 65	-	75.0	mg/l	0.6779 (mg/l)
24	5.3 Table-2 xvi	Magnesium (as Mg)	IS 3025 Part 65	-	30.0	mg/l	1.3126 (mg/l)
25	5.3 Table-2 xvii	Sodium (as Na)	IS 3025 Part 65	-	200.0	mg/l	14.277 (mg/l)
26	5.3 Table-2 xviii	Residual free chlorine	IS 3025 Part 26	-	-	-	Less than 0.0428 mg /l (Range Max : 0.2 mg/l)

27	5.3 Table-2 xix	Phenolic compounds (as C ₆ H ₅ OH)	5.3 Table-2 xix	-	-	-	Less than 0.0005 mg/l (Range Max : 0.001 mg/l)
28	5.3 Table-2 xx	Mineral oil	IS 3025 Part 39	-	-	-	Less than 1 mg/l (Range Max : 1 mg/l)
29	5.3 Table-2 xxi	Anionic surface active agents (as MBAS)	mg/l	-	-	-	Less than 0.05 mg/l (Range Max : 0.2 mg/l)
30	5.3 Table-2 xxii	Sulphide (as H ₂ S)	IS 3025 Part 29	-	-	-	Less than 0.025 mg/l (Range Max : 0.05 mg/l)
31	5.3 Table-2 xxiii	Antimony (as Sb)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.005 mg/l)
32	5.3 Table-2 xxiv	Borates (as B)	IS 3025 Part 65	-	5.0	mg/l	0.0393 (mg/l)
33	5.3 Table-2 xxv	Bromates (as BrO ₃),	IS 3025 Part 67	-	-	-	Less than 0.005 mg/l (Range Max : 0.01 mg/l)
34	5.3 Table-3 i	Mercury (as Hg)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.001 mg/l)
35	5.3 Table-3 ii	Cadmium (as Cd)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.003 mg/l)
36	5.3 Table-3 iii	Arsenic (as As)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.01 mg/l)
37	5.3 Table-3 v	Lead (as Pb)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.01 mg/l)
38	5.3 Table-3 vi	Chromium (as Cr)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.05 mg/l)
39	5.3 Table-3 vii	Nickel (as Ni)	IS 3025 Part 65	-	-	-	Less than 0.001 mg/l (Range Max : 0.02 mg/l)
40	5.3 Table-3 viii	Polychlorinated biphenyle (PCB)	5.3 Table-3 viii	-	-	-	Not Detectable
41	5.3 Table-3 ix	Polynuclear aromatic hydrocarbons	5.3 Table-3 ix	-	-	-	Not Detectable

Ankit Bhumla-CHEM
OIC Chemical
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PART D. REMARKS

NIL

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