

CERTIFICATE OF ANALYSIS



Issued from:
Choksi Laboratories Limited (Building - 2 "Pasteur")
Survey No. 9/1, Balaji Tulsiana Industrial Estate,
Kumedi, Off. M.R. 10 Toll Naka,
Indore - 452010 (M.P.) INDIA



TC-6384

Issued to: MAR THOMA HR SEC.SCHOOL, INDORE SECTOR-C NYAY NAGAR, MAIN ROAD, SUKHLIYA Indore, Madhya Pradesh India - 452015	CoA ID: 01700599/23-24 Report No.: 01700599/23-24 (v1) ULR No.: TC638423000001966F Issue date: 15-09-2023 Customer Ref(s): N/M Customer ID: MT230047
Sample Name: DRINKING WATER Manufacture License No: N/M Manufacturer Name: N/M Manufacturing Date: N/M Reference of Letter: N/M Date of Letter: N/M Date of Receipt: 28-08-2023 Batch Number: N/M Batch Size: N/M A.R. Number: N/M Expiry / Retest Date: N/M	Sample Quantity: 2*5 Liter Sealed / Unsealed: Unsealed Packing: PLASTIC CAN Analysis Start Date: 28-08-2023 Analysis End Date: 14-09-2023 Sampling Date: N/M Sampled By: Client Sampling Location: N/M Page Number: 1 of 4

Test specification as per IS 10500:2012 (Amendment-4)

Description :- Clear colorless liquid without suspended particles

Sr.No.	Characteristics	Unit	Result	Specification	MDL	Reference Method	Permissible Limits
Discipline: Chemical Group: Water Subgroup: Drinking Water Chemical Parameters							
1.	Colour	Hazen unit	Less than 1	NMT 5	N/M	IS : 3025(Part 4)-2021	NMT 15
2.	Odour	Not Applicable	Agreeable	Agreeable	N/M	IS : 3025(Part 5)-2018	Agreeable
3.	Taste	Not Applicable	Agreeable	Agreeable	N/M	IS : 3025(Part 8)-1984	Agreeable
4.	Turbidity	NTU	0.6	NMT 1	N/M	IS : 3025(Part 10)-1984	NMT 5
5.	Total dissolved solids	mg/L	141	NMT 500	N/M	IS : 3025(Part 16)-1984	NMT 2000
6.	pH value	Not Applicable	6.9	6.5-8.5	N/M	IS 3025 (Part-11) : 2022	No relaxation
7.	Total Hardness, as CaCO ₃	mg/L	136.5	NMT 200	N/M	IS : 3025(Part 21)-2009	NMT 600
8.	Calcium, as Ca	mg/L	28.1	NMT 75	N/M	IS : 3025(Part 40)-1991	NMT 200
9.	Boron, as B	mg/L	Not Detected	NMT 0.5	0.04	Annex H of IS : 13428-2005	NMT 1.0
10.	Chloride, as Cl	mg/L	47.3	NMT 250	N/M	IS : 3025(Part 32)-1988	NMT 1000
11.	Sulphate, as SO ₄	mg/L	12.7	NMT 200	1.0	IS : 3025(Part 24)-1986	NMT 400
12.	Nitrate, as NO ₃	mg/L	5.4	NMT 45	0.1	IS : 3025(Part 34)-1988	No relaxation



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Test specification as per IS 10500:2012 (Amendment-4)

Sr.No.	Characteristics	Unit	Result	Specification	MDL	Reference Method	Permissible Limits
13.	Fluoride, as F	mg/L	Less than 0.1	NMT 1.0	N/M	IS : 3025(Part 60)-2008	NMT 1.5
14.	Phenolic Compounds, as C6H5OH	mg/L	Not Detected	NMT 0.001	0.001	IS : 3025(Part 43)-1992	NMT 0.002
15.	Ammonia (as total ammonia-N)	mg/L	0.03	NMT 0.5	0.01	IS : 3025(Part 34)-1988	No relaxation
16.	Chloramines (as Cl2)	mg/L	Not detected	NMT 4.0	0.05	APHA 4500 Cl F	No relaxation
17.	Sulphide, as H2S	mg/L	Less than 0.05	NMT 0.05	0.05	IS : 3025(Part 29)-1986	No relaxation
18.	Cyanide, as CN	mg/L	Not Detected	NMT 0.05	0.0008	IS : 3025(Part 27)-1986	No relaxation
19.	Anionic Detergents, as MBAS	mg/L	Not Detected	NMT 0.2	0.05	Annex K of IS : 13428-2005	NMT 1.0
20.	Mineral oil	mg/L	Not Detected	NMT 1.0	0.1	IS 3025 (Part-39) : 2021	No relaxation
21.	Residual free chlorine, as Cl2	mg/L	Not detected	NLT 0.2	0.05	APHA 4500 Cl F	NLT 1
22.	Total Alkalinity, as CaCO3	mg/L	47.8	NMT 200	N/M	IS : 3025(Part 23)-1986	NMT 600
23.	Magnesium, as Mg	mg/L	16.1	NMT 30	N/M	IS : 3025(Part 46)-1994	NMT 100

Sr.No.	Characteristics	Unit	Result	Specification	MDL	Reference Method	Permissible Limits
Discipline: Chemical Group: Water Subgroup: Drinking Water Heavy Metal							
1.	Copper, as Cu	mg/L	Below Detection Limit	NMT 0.05	0.00510	APHA (3125 B)	NMT 1.5
2.	Iron, as Fe	mg/L	0.01	NMT 1.0	0.00510	APHA (3125 B)	No relaxation
3.	Manganese, as Mn	mg/L	Below Detection Limit	NMT 0.1	0.00510	APHA (3125 B)	NMT 0.3
4.	Mercury, as Hg	mg/L	Not Detected	NMT 0.001	0.000510	APHA (3125 B)	No relaxation



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Test specification as per IS 10500:2012 (Amendment-4)

Sr.No.	Characteristics	Unit	Result	Specification	MDL	Reference Method	Permissible Limits
5.	Selenium, as Se	mg/L	Not Detected	NMT 0.01	0.00510	APHA (3125 B)	No relaxation
6.	Total Arsenic, as As	mg/L	Below Detection Limit	NMT 0.01	0.00510	APHA (3125 B)	No relaxation
7.	Barium, as Ba	mg/L	Below Detection Limit	NMT 0.7	0.00510	APHA (3125 B)	No relaxation
8.	Molybdenum, as Mo	mg/L	Below Detection Limit	NMT 0.07	0.00510	APHA (3125 B)	No relaxation
9.	Nickel, as Ni	mg/L	Below Detection Limit	NMT 0.02	0.00510	APHA (3125 B)	No relaxation
10.	Silver, as Ag	mg/L	Not Detected	NMT 0.1	0.00105	APHA (3125 B)	No relaxation
11.	Lead, as Pb	mg/L	Below Detection Limit	NMT 0.01	0.00510	APHA (3125 B)	No relaxation
12.	Zinc, as Zn	mg/L	0.01	NMT 5	0.00510	APHA (3125 B)	NMT 15
13.	Total chromium, as Cr	mg/L	Below Detection Limit	NMT 0.05	0.00510	APHA (3125 B)	No relaxation
14.	Aluminium, as Al	mg/L	Below Detection Limit	NMT 0.03	0.00510	APHA (3125 B)	NMT 0.2
15.	Cadmium, as Cd	mg/L	Below Detection Limit	NMT 0.003	0.00255	APHA (3125 B)	No relaxation

Sr.No.	Characteristics	Unit	Result	Specification	MDL	Reference Method	Permissible Limits
Discipline: Biological Group: Water Subgroup: Drinking Water Microbiological							
1.	Total Coliform Bacteria	in 100 mL	Not Detected	Should not be detected	N/M	IS:15185:2016	Should not be detected
2.	Escherichia coli	in 100 mL	Not Detected	Should not be detected	N/M	IS:15185:2016	Should not be detected

[End of Report]

Remarks:

1. Test report shall not be reproduced either in part or in full, without written approval of CLL Management.
2. CLL does not give any opinion or interpretation of the same.
3. Sample not Drawn by CLL representative
4. Sample information as Furnished by Customer



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Test specification as per IS 10500:2012 (Amendment-4)

5. pH value is reported as at 25 °C.
6. MDL Refer to Method Detection Limit
7. Free Residual Chlorine Limit To be applicable only when water is chlorinated.
8. It is recommended that the acceptable limit (specification) is to be implemented values in excess of those mentioned under acceptable render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible' limit in the absence of alternate source. , above which the source will have to be rejected.
9. Subject to terms and conditions mentioned at the end of the CoA.



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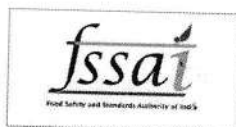
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IMPORTANT INFORMATION FOR CERTIFICATE OF ANALYSIS (CoA) / CERTIFICATE OF CALIBRATION (CoC):

1. Sample(s) / Instruments are drawn and submitted by the client unless otherwise stated.
2. This certificate refers only the particular item and reported parameters submitted for calibration / analysis.
3. The results reported in this certificate are valid for the sample / instrument received as is and at the time of and under the stipulated conditions of measurement.
4. This certificate is for the customer's information only, and can neither be used in part nor in full, in any media or court of law, without prior written permission of CLL.
5. Endorsement of products is neither inferred nor implied.
6. In case of any dispute, Indore jurisdiction is applicable.
7. Perishable samples will be destroyed after testing; toxic / hazardous samples will be returned to the customer or shall be forwarded for incineration.
8. Total Liability of CLL is limited to the invoiced amount.
9. In the event, no zone is mentioned, CoA/CoC must be considered for Domestic (India) only

CLL LABS - APPROVALS / ACCREDITATIONS BY:



Note: Each CLL lab has different approvals / accreditations. Please check with the on-site BD cell for any specific registrations / submissions prior to sending test request. Your test request must mention the purpose / regulatory body / agency for which the testing is to be carried out.

CLL's SERVICE AREAS

Food & Beverages Testing Services

Agro Products (Food Raw Materials & Products, Milk & Milk Products, Agrochemicals, Fertilizers, Food Additives)

Drugs and Chemicals Testing Services:

Pharmaceuticals, Herbs, Cosmetics, Ayurvedic - Raw Materials, Formulations & Chemicals Analysis

Building Materials Testing Services:

Metals, Sand/Aggregate, Bricks, Paving Block, Cement, Paints, Minerals, PVC/HDPE Pipes, Packaging Materials & Wood Products, On-site inspection services for soil and constructions sites.

Water & Waste Water:

Drinking Water (IS:10500), Purified water for pharmaceutical use, Recreational Water, EPA / WHO Water, Water for Injections, Water for food processing, Water for dialysis etc.

Calibration Services:

Thermal, Mechanical (Mass, Volume, Speed, Pressure, Vacuum), Area / Autoclave / Steam tunnel Mapping, Electro-technical, Dimension, etc.

Other Testing, Research & Validation services:

Toys testing, Disinfectants / Sanitizers testing, Consumer products (such as Water purifiers, Sterilizers etc.), Soil investigation & analysis, Waste / Used oil for recycling / incineration, etc.

Environment Services:

Indoor and Outdoor Monitoring for workplaces / hotels / hospitals / homes etc., Industrial monitoring - ambient and stack, River/Lake water quality survey.

CLL's LAB LOCATIONS

Indore Laboratory

(Corporate Office & Center of Excellence)

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