

**SIMA LABS****Sophisticated Industrial Materials
Analytic Labs Pvt. Ltd.**

(GOVT. APPROVED TESTING LABORATORIES)

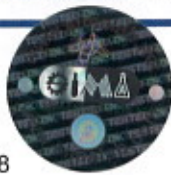
Address : A-3/7, Mayapuri Industrial Area,
Ph-II, New Delhi - 110064

Phone : +(91)-(011) 43854300

Email : reports@simalab.com

CIN No : U74899DL1988PTC031785

Website : www.simalab.net | www.simalab.com

**TEST REPORT**Party Code : P/JK/19378
*Issued to Perlanka Gypsum Mine

Village-Harrog, Distt.-Ramban, Jammu & Kashmir

*Sample Name : Drinking Water

REPORT NO. : SN0915000926

*Customer Ref.No. : NS

*Reference Date : NS

Date of Sampling : 14/09/2026

Date of Received : 15/09/2026

Date of Issue : 19/09/2026

Start Date of Analysis : 15/09/2026

Date of Completion : 19/09/2026

Environmental Condition : 25±2°C, RH50±15%

Sample Condition : OK

*Sample Qty. : 6 Ltr.

SOP/Sampling Plan : SIMA/ENV/SOP/024

Test Method Deviation : NA

Sample Collection : Sample Collected By Our
Rep. Mr. Shiv Hari**RESULTS OF ANALYSIS**

Reference : IS 10500 -2012, (Reaff. 2023) Amendment No. 1,2,3 & 4

Sample Description : Clear colourless liquid

S.No.	Parameter	Units	Results	Acceptable Limits (as per IS:10500-2012)	Permissible Limits (as per IS:10500-2012)	Protocols	Detection Limit
Organoleptic & Physical Parameters							
1.	Colour	Hazen	<2.0	Max. 5	Max. 15	IS:3025 (P-4)	NA
2.	Odour	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-5)	NA
3.	pH Value	NA	7.07	6.5 to 8.5	No Relaxation	IS:3025 (P-11)	NA
4.	Taste	NA	Agreeable	Agreeable	Agreeable	IS:3025 (P-7)	NA
5.	Total Dissolved Solids	mg/L	136	Max. 500	Max. 2000	IS:3025 (P-16)	NA
6.	Turbidity	NTU	<1.0	Max. 1	Max. 5	IS:3025 (P-10)	NA
General Parameter							
7.	Aluminium (as Al)	mg/L	BLQ	Max. 0.03	Max. 0.2	IS:3025 (P-65)	LOQ (0.01)
8.	Ammonia (as Total Ammonia-N)	mg/L	BDL	Max. 0.5	No Relaxation	IS:3025 (P-34)	0.1
9.	Anionic Detergents (as MBAS)	mg/L	BDL	Max. 0.2	Max. 1.0	IS:3025 (P-68)	0.1
10.	Barium (as Ba)	mg/L	BLQ	Max. 0.7	No Relaxation	IS:3025 (P-65)	LOQ (0.01)
11.	Boron (as B)	mg/L	BLQ	Max. 0.5	Max. 2.4	IS:3025 (P-65)	LOQ (0.05)
12.	Calcium (as Ca)	mg/L	10.2	Max. 75	Max. 200	IS:3025 (P-40)	NA

Anshul Gupta

Reviewed By

Authorized Signatory

Diwakar Jha

G.M Technical Environment

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13.	Chloramines (as Cl ₂)	mg/L	BDL	Max. 4.0	No Relaxation	IS:3025 (P-26)	0.1
14.	Chloride (as Cl)	mg/L	36.2	Max. 250	Max. 1000	IS:3025 (P-32)	NA
15.	Copper (as Cu)	mg/L	BLQ	Max. 0.05	Max. 1.5	IS:3025 (P-65)	LOQ (0.005)
16.	Fluoride (as F)	mg/L	BDL	Max. 1.0	Max. 1.5	APHA - 4500 F-D	0.05
17.	Free residual chlorine (as Cl ₂)	mg/L	BDL	Min. 0.2	Min. 1.0	IS:3025 (P-26)	0.1
18.	Iron (as Fe)	mg/L	BLQ	Max. 1.0	No Relaxation	IS:3025 (P-65)	LOQ (0.01)
19.	Magnesium (as Mg)	mg/L	6.1	Max. 30	Max. 100	IS:3025 (P-46)	NA
20.	Manganese (as Mn)	mg/L	BLQ	Max. 0.1	Max. 0.3	IS:3025 (P-65)	LOQ (0.01)
21.	Mineral Oil	mg/L	BDL	Max. 1.0	No Relaxation	Cl-6 of IS:3025 (P-39)	0.1
22.	Nitrate (as NO ₃)	mg/L	BDL	Max. 45	No Relaxation	IS:3025 (P-34)	0.05
23.	Phenolic Compound (as C ₆ H ₅ OH)	mg/L	BDL	Max. 0.001	Max. 0.002	IS:3025 (P-43)	0.001
24.	Selenium (as Se)	mg/L	BLQ	Max. 0.01	No Relaxation	IS:3025 (P-65)	LOQ (0.005)
25.	Silver (as Ag)	mg/L	BLQ	Max. 0.1	No Relaxation	IS:3025 (P-65)	LOQ (0.005)
26.	Sulphate (as SO ₄)	mg/L	8.2	Max. 200	Max. 400	IS:3025 (P-24)	NA
27.	Sulphide (as H ₂ S)	mg/L	BDL	Max. 0.05	No Relaxation	IS:3025 (P-29)	0.02
28.	Total Alkalinity (as CaCO ₃)	mg/L	36.8	Max. 200	Max. 600	IS:3025 (P-23)	NA
29.	Total Hardness (as CaCO ₃)	mg/L	24.5	Max. 200	Max. 600	IS:3025 (P-21)	NA
30.	Zinc (as Zn)	mg/L	BLQ	Max. 5.0	Max. 15	IS:3025 (P-65)	LOQ (0.05)

Toxic Substance

31.	Cadmium (as Cd)	mg/L	BLQ	Max. 0.003	No Relaxation	IS:3025 (P-65)	LOQ (0.002)
32.	Cyanide (as CN)	mg/L	BDL	Max. 0.05	No Relaxation	IS:3025 (P-27)	0.05
33.	Lead (as Pb)	mg/L	BLQ	Max. 0.01	No Relaxation	IS:3025 (P-65)	LOQ (0.005)
34.	Mercury (as Hg)	mg/L	BLQ	Max. 0.001	No Relaxation	IS:3025 (P-65)	LOQ (0.001)
35.	Molybdenum (as MO)	mg/L	BLQ	Max. 0.07	No Relaxation	IS:3025 (P-65)	LOQ (0.01)
36.	Nickel (as Ni)	mg/L	BLQ	Max. 0.02	No Relaxation	IS:3025 (P-65)	LOQ (0.005)
37.	Total Arsenic (as As)	mg/L	BLQ	Max. 0.01	No Relaxation	IS:3025 (P-65)	LOQ (0.005)
38.	Total Chromium (as Cr)	mg/L	BLQ	Max. 0.05	No Relaxation	IS:3025 (P-65)	LOQ (0.005)
39.	Uranium (as U)	mg/L	BLQ	Max. 0.03	No Relaxation	IS:3025 (P-65)	LOQ (0.01)
40.	Polychlorinated Biphenyls	mg/L	BLQ	Max. 0.0005	No Relaxation	SIMA/INS/STP/001	LOQ

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40.							(0.000025)
41.	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/L	BLQ	Max. 0.0001	No Relaxation	SIMA/INS/STP/001	LOQ (0.000025)
Pesticides Residue							
42.	2,4' DDD	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
43.	2,4' DDE	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
44.	2,4' DDT	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
45.	2,4-Dichlorophenoxy Acetic Acid	µg/L	BLQ	Max. 30	NA	SIMA/INS/STP/001	LOQ (0.01)
46.	4,4' DDD	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
47.	4,4' DDE	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
48.	4,4' DDT	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
49.	Alachlor	µg/L	BLQ	Max. 20	NA	SIMA/INS/STP/001	LOQ (0.01)
50.	Aldrin	µg/L	BLQ	Max. 0.03	NA	SIMA/INS/STP/001	LOQ (0.01)
51.	Alpha endosulfan	µg/L	BLQ	Max. 0.4	NA	SIMA/INS/STP/001	LOQ (0.01)
52.	Alpha HCH	µg/L	BLQ	Max. 0.01	NA	SIMA/INS/STP/001	LOQ (0.005)
53.	Atrazine	µg/L	BLQ	Max. 2.0	NA	SIMA/INS/STP/001	LOQ (0.01)
54.	Beta endosulfan	µg/L	BLQ	Max. 0.4	NA	SIMA/INS/STP/001	LOQ (0.01)
55.	Beta HCH	µg/L	BLQ	Max. 0.04	NA	SIMA/INS/STP/001	LOQ (0.01)
56.	Butachlor	µg/L	BLQ	Max. 125	NA	SIMA/INS/STP/001	LOQ (0.01)
57.	Chlorpyrifos	µg/L	BLQ	Max. 30	NA	SIMA/INS/STP/001	LOQ (0.01)
58.	Delta HCH	µg/L	BLQ	Max. 0.04	NA	SIMA/INS/STP/001	LOQ (0.01)
59.	Dieldrin	µg/L	BLQ	Max. 0.03	NA	SIMA/INS/STP/001	LOQ (0.01)
60.	Endosulfan sulphate	µg/L	BLQ	Max. 0.4	NA	SIMA/INS/STP/001	LOQ (0.01)
61.	Ethion	µg/L	BLQ	Max. 3.0	NA	SIMA/INS/STP/001	LOQ (0.01)
62.	Gamma-HCH (Lindane)	µg/L	BLQ	Max. 2.0	NA	SIMA/INS/STP/001	LOQ (0.01)
63.	Isoproturon	µg/L	BLQ	Max. 9.0	NA	SIMA/INS/STP/001	LOQ (0.01)
64.	Malathion	µg/L	BLQ	Max. 190	NA	SIMA/INS/STP/001	LOQ (0.01)
65.	Methyl Parathion	µg/L	BLQ	Max. 0.3	NA	SIMA/INS/STP/001	LOQ (0.01)
66.	Monocrotophos	µg/L	BLQ	Max. 1.0	NA	SIMA/INS/STP/001	LOQ (0.01)
67.	Phorate	µg/L	BLQ	Max. 2.0	NA	SIMA/INS/STP/001	LOQ (0.01)

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Trihalomethanes							
68.	Bromodichloromethane	mg/L	BLQ	Max. 0.06	NA	SIMA/INS/STP/002	LOQ (0.02)
69.	Bromoform	mg/L	BLQ	Max. 0.1	NA	SIMA/INS/STP/002	LOQ (0.02)
70.	Chloroform	mg/L	BLQ	Max. 0.2	NA	SIMA/INS/STP/002	LOQ (0.02)
71.	Dibromochloromethane	mg/L	BLQ	Max. 0.1	NA	SIMA/INS/STP/002	LOQ (0.02)
Microbiological quality of water							
72.	E.Coli	per 100 ml	Absent	Shall not be detectable in any 100 ml sample	NA	IS15185: 2016	NA
73.	Total Coliform	per 100 ml	Absent	Shall not be detectable in any 100 ml sample	NA	IS15185: 2016	NA

The above tested parameters meets the requirement of IS:10500-2012

Specification (Acceptable Limit)

NA- Not Applicable, BDL- Below Detection Limit, BLQ- Below Limit of Quantification, LOQ- Limit of Quantification

--- End of Test Report ---

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