



JM Biotech (Pvt.) Ltd.

ANALYTICAL CONSULTING & TECHNICAL CHEMISTS
Recognised by WBPCB



AN ISO 9001 : 2015 & 14001 : 2015 CERTIFIED COMPANY

Sample Id : JMB/KOL/23-24/DW(D)/0941

Dated: 27.07.2023

SAMPLE DRAWN BY US :

TEST REPORT

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Name of Customer : SPK Jain Futuristic Academy
Address : Plot No. II A/14, Action Area II, Street No.374, New Town, Kolkata-700156.
Description of Sample : Drinking Water
Collection Source : Tap Water
Sample Drawn on : 22.07.2023
Analysis completed on : 27.07.2023
Method of Sampling : IS 1622 : 1981 (Reaffirmed 2019)
Mode of Sampling : Grab

A. MICROBIOLOGICAL PARAMETERS :

Sl. NO.	Test Parameters	Test Method	Unit	Results	Norms as per IS 10500 : 2012
1	Total Coliform	IS 1622:1981 RA 1996	Cfu/100m	<1	Not Detectable
2	E. coli	IS 1622:1981 RA 1996	Cfu/100m	<1	Not Detectable

B. ORGANOLEPTIC & PHYSICAL PARAMETERS :

Sl. No.	Test Parameters	Test Method	Unit	Results	Norms as per IS 10500:2012	
					AL(Max.)	PL(Max.)
3	Colour	APHA 23rd Edn, 2120B	Hazen	<1	5	15
4	Odour	APHA 23rd Edn, 2150B	—	Agreeable	Agreeable	Agreeable
5	pH at 25°C	APHA 23rd Edn, 4500 H ⁺ B	—	6.70	6.5 - 8.5	No Relaxation
6	Taste	IS: 3025(Part-8) 1984	—	Agreeable	—	—
7	Turbidity	APHA 23rd Edn, 2130-B	NTU	<1	1.0	5.0
8	Total Dissolved Solids	APHA 23rd Edn, 2540-C	mg/l	78.0	500	2000

C. GENERAL PARAMETERS :

9	Aluminium as Al	APHA 23rd Edn, 3113B	mg/l	<0.03	0.03	0.2
10	Calcium as Ca	APHA 23rd Edn, 3500- Ca B	mg/l	6.52	75	200
11	Chloride as Cl	APHA 23rd Edn, 4500 Cl-B	mg/l	28.0	250	1000
12	Copper as Cu	APHA 23rd Edn, 3111-B	mg/l	<0.05	0.05	1.5
13	Fluoride as F	APHA 23rd Edn, 4500- F D	mg/l	<0.1	1.0	1.5
14	Residual Free Chlorine	IS 3025 (Part 26): 1986, RA 2019	mg/l	<0.2	0.20	1
15	Iron as Fe	APHA 23rd Edn, 3500- Fe B	mg/l	<0.1	1.0	No Relaxation
16	Magnesium as Mg	APHA 23rd Edn, 3500- Mg B	mg/l	2.97	30	100
17	Manganese as Mn	APHA 23rd Edn, 3111B	mg/l	<0.05	0.1	0.3
18	Mineral Oil	APHA 23rd Edn, 5520 B	mg/l	<0.5	1.0	No relaxation

Disclaimer : The contents of the report shall not be reproduced either in full or in part without prior written consent of the issuing authority. The results relate only to the items tested and received.

Office Address : 103F, Bidhan Sarani, Shyambazar, Kolkata - 700 004

Laboratory Address : Sipta, P.O. Amila, P.S. Raina, Pin-713423, Purba Bardhaman, W.B. India

Phone : 9830029554 / 90077 11822 | Web : <http://www.jmbiotech.com>

A. G. Ghosh
Principal

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Sl. No.	Test Parameters	Test Method	Unit	Results	Norms as per IS 10500:2012	
					AL(Max.)	PL(Max.)
19	Nitrate as NO ₃	APHA 23rd Edn, 4500-NO ₃ B	mg/l	<0.1	45	No relaxation
20	Phenolic Compound as C ₆ H ₅ OH	APHA 23rd Edn, 5530- C	mg/l	<0.001	0.001	0.002
	Selenium as Se	APHA 23rd Edn, 3114C	mg/l	<0.01	0.01	No relaxation
	Sulphate as SO ₄	APHA 23rd Edn, 4500- SO ₄ ²⁻ E	mg/l	<5	200	400
23	Total Alkalinity as CaCO ₃	APHA 23rd Edn, 2320-B	mg/l	32.0	200	600
24	Total Hardness as CaCO ₃	APHA 23rd Edn, 2340-C	mg/l	28.56	200	600
25	Zinc as Zn	APHA 23rd Edn, 3111B	mg/l	<0.05	5	15

D. TOXIC SUBSTANCES :

26	Cadmium as Cd	APHA 23rd Edn, 3113B	mg/l	<0.003	0.003	No relaxation
27	Cyanide as CN	APHA 23rd Edn, 4500-CN-F	mg/l	<0.05	0.05	No relaxation
28	Lead as Pb	APHA 23rd Edn, 3113B	mg/l	<0.01	0.01	No relaxation
29	Mercury as Hg	APHA 23rd Edn, 3112B	mg/l	<0.001	0.001	No relaxation
30	Arsenic as As	APHA 23rd Edn, 3114C	mg/l	<0.005	0.01	No relaxation
	Total Chromium as Cr	APHA 23rd Edn, 3111B	mg/l	<0.05	0.05	No relaxation

Note : 1. AL - Acceptable Limit. 2. PL - Permissible Limit.

Remarks : Bacteriologically : Satisfactory for the above tested parameters.

Chemically : Satisfactory for the above tested parameters.

...END OF TEST REPORT...

For J.M. Biotech (P) Ltd.

For SPK JAIN FUTURISTIC ACADEMY
Principal



Mr. Ardhendu Guchait
(Authorised Signatory)
Designation: Technical Manager

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