



सीएसआईआर-भारतीय विषविज्ञान अनुसंधान संस्थान CSIR-INDIAN INSTITUTE OF TOXICOLOGY RESEARCH

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद् | COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH
(विज्ञान एवं प्रौद्योगिकी मंत्रालय, भारत सरकार) | MINISTRY OF SCIENCE & TECHNOLOGY, GOVT. OF INDIA



डॉ. अंकुर गोयल
वरिष्ठ प्रधान वैज्ञानिक, आरपीबीडी

CSIR-IITR/RPBD-07/2025

दिनांक: 27-08-2025

सेवा में-

श्री गोपाल सक्सेना
नेक्सेस होल्डिंग्स,
एन-296, शिवालिक नगर, BHEL
हरिद्वार-249 403 (उत्तराखण्ड)

विषय : विश्लेषण रिपोर्ट का प्रेषण -

महोदय,

आपके द्वारा भेजे गए **Testing of Ganga Water Samples** के नमूने की विश्लेषण रिपोर्ट इस पत्र के साथ संलग्न है।

Report No.	TS-4304 (I-II)
Report Signed by:	Dr. Satyakam Patnaik /Dr. Preeti Chaturvedi Bhargava
Your reference no. letter:	IITR/002217565408 Dated 08-08-2025
Sample collected by:	The Client
Sample and plan procedure:	Ganga Water Samples
Date of sampling:	08.08.2025
Environment condition during sample:	Normal
Sample delivered on:	08.08.2025 & 11.08.2025
Sample condition:	Unsealed
Source of sampling:	Nexus Holdings, Haridwar, U.K.

नमूनों हेतु आपके संदर्भ को हमारे आंतरिक आईआईटीआर कोड सं. से मिलान कर लिया गया है।

CSIR-IITR Code	Sample Name & Description
TS-4304 (I)	Devprayag – Sample I
TS-4304 (II)	Devprayag – Sample II

धन्यवाद,

भवदीय,

आरपीबीडी

संलग्नक: 1) उपर्युक्त रिपोर्ट
2) कस्टमर फीड बैक फॉर्म रिपोर्ट के साथ संलग्न है कृपया भरकर वापस भेजें।

नोट : कृपया इस रिपोर्ट की पावती यथाशीघ्र भेजें।



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Vishvigyan Bhawan, 31, M.G. Marg, Lucknow-226001, U.P., India

विषयविज्ञान परीक्षण: जीएलपी अनुरूप सुविधा Toxicity Testing: GLP Test Facility

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TC-7103

WASTE WATER ANALYSIS REPORT

- Sample Registry No. : TS-4304(I)
- Name of analysing laboratory : Water Analysis Lab Date: 25th August, 2025
- Nature / type of sample (s) : Ganga Water Sample (Devpryag)
- Sealed/Unsealed : Unsealed
- Date of receipt : 11th August, 2025
- Method of Analysis : As per APHA/AWWA; 24th Edn. (2023)

Sl. No.	Parameters/Tests	Method of analysis	Unit	RESULT	Standard Uncertainty ($\pm$)
1.	pH	(4500-H ⁺ -B)	-	7.00	0.14
2.	Total Solids	(2540-B)	mg/L	30.00	4.73
3.	Total Dissolved Solids	(2540-C)	mg/L	28.00	4.02
4.	Total Suspended Solids	(2540-D)	mg/L	2.00	2.80
5.	Conductivity	(2510-B)	μ S/cm	43.30	15.17
6.	BOD	(5210-B)	mg/L	<1.00	5.60
7.	COD	(5220-C)	mg/L	7.13	2.92
8.	Fluoride	(4500-F ⁻ -D)	mg/L	<0.10	0.05
9.	Chloride	(4500-Cl ₂ -B, C)	mg/L	2.98	1.52
10.	Sulfate	(4500-So ₄ ²⁻ -E)	mg/L	3.25	0.09
11.	Phosphate	(4500-P-D)	mg/L	<0.003	0.024
12.	Nitrate	(4500-No ₃ ⁻ -B)	mg/L	<1.00	0.102
13.	Res. Chlorine	(4500-Cl ₂ -B, C)	mg/L	<0.11	0.24
14.	Total Alkalinity	(2320-B)	mg/L	4.00	7.58
15.	Total Hardness	(2340-C)	mg/L	32.00	7.24
16.	Calcium Hardness	(3500-Ca-B)	mg/L	0.00	3.05
17.	Magnesium Hardness	(2340-C)	mg/L	32.00	7.34
18.	Ammonical Nitrogen	(4500-NH ₃ -C)	mg/L	<0.10	0.03
19.	Silica	(4500-Si-C)	mg/L	2.05	--

Note-Values marked with < (less then) sign are the minimum detection limit for the corresponding parameters.



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TC-7103

Date: 18.08.2025

ANALYSIS REPORT

1. Name of analyzing laboratory: Aquatic Toxicology Laboratory, CSIR-IITR, Lucknow
2. Sample Code no. : TS-4304 (II)
3. Nature / type of sample (s) : Drinking Water samples
4. Sealed / Unsealed : Unsealed
5. Number of samples : 01 nos.
6. Date of sample collection : 08.08.2025
7. Date of receipt and analysis : 08.08.2025
8. Parameters to be analyzed : Bacteriological analysis- Total coliforms and Fecal coliforms
9. Method of Analysis : Multiple tube fermentation method as per IS 1622:1981 (Reaffirmed 2019)
10. Any deviation from method : No
11. Results :

S. No.	Sample Code No.	Total coliform bacteria			<i>Escherichia coli</i> or thermo tolerant (fecal) coliform bacteria			Bacteriological quality
		MPN/ 100 ml	Low Conf. Limit	High Conf. Limit	MPN/ 100 ml	Low Conf. Limit	High Conf. Limit	
1	TS-4304 (II)	<1.8	-	6.8	<1.8	-	6.8	Acceptable

Note: Maximum Acceptable Limit is <1.8 (not detectable) for total coliform and *Escherichia coli* or thermo tolerant coliform bacteria/100ml as per Indian Standard for Drinking Water Specification of Bureau of Indian Standards (BIS), 2012; IS 10500: 2012.

Shubhang
10/8/25
Reported by

Preeti
10/8/25
Reviewed by

Note:

1. The report pertains to the sample tested only.
2. The report shall not be used or produced in fragments.
3. The report shall not be used for any other purpose than declared by the sponsor.
4. CSIR-IITR is not regulatory and certifying agency hence no part of this report should be used for legal purposes.