



# DEVBHOOMI TESTING LABORATORY DEHRADUN

NABL Accredited, Govt. Approved, MSME Registered, & ISO : 9001:2015 & 14001: 2015 Certified Laboratory

Neelkanth Enclave, Harbhajwala, Telpur Chowk, Shimla By Pass Road, Dehradun 248171

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## TEST REPORT

<b>Description of Sample:</b> Surface Water	<b>Report No.:</b> DTL/DDN/2025/1209/20
<b>Sample Id:</b> 12092025/20	<b>Date of Report:</b> 20/09/2025
<b>Sample Quantity:</b> As per requirement	<b>Date of Sampling:</b> 12/09/2025
<b>Sample Condition:</b> Receipt as OK	<b>Start Date of Testing:</b> 14/09/2025
<b>Sample Plan &amp; Sampling Method:</b> NA	<b>Date of Completion:</b> 20/09/2025
<b>Environment Condition (Temp. &amp; Humidity):</b> NA	
<b>Addition to, Deviation or Exclusion from the Method:</b> NA	
<b>N.O.W:</b> Construction of 24 m Span Steel Truss Motor bridge in km-12, at Nandprayag Ghat Motorway under U-PREPARE Project.	
<b>Issued to:</b> M/S ARKS UNIVERSAL PRIVATE LIMITED	

**Sample:** 01(Km-12)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000 (Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml of water sample using Phenolphthalein indicator	1.72	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- $H_2SO_4$ to neutralize 100ml of water sample using mixed indicator	8.45	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	88	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	120	3000	IS:3025 (P-18)2022
5.	Sulphate as $SO_3$ , mg/l.	25.36	400	IS: 3025(P-24) 1986RA:2019
6.	Chloride as Cl, mg/l	29	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	7.9	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	220	2000	IS:3025 (P-17)2022

\*\*\*\*\*End of Report\*\*\*\*\*



Checked & Issued by  
Authorised Signatory

1. The result Listed refer only to the tested sample & applicable parameters endorsement of products is neither inferred nor implied.
2. Total liability of our lab is limited to the invoiced amount.
3. Sample not drawn by lab and sample will be destroyed after 30 days from the date of issue of test report.
4. This report is not be reproduced wholly or in part and cannot be used as an evidence in the court of law and should not be used in any advertising media without our special permission in writing.





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## TEST REPORT

<b>Description of Sample:</b> Surface Water	<b>Report No.:</b> DTL/DDN/2025/1209/22
<b>Sample Id:</b> 12092025/21	<b>Date of Report:</b> 20/09/2025
<b>Sample Quantity:</b> 1 Ltr.	<b>Date of Sampling:</b> 12/09/2025
<b>Sample Condition:</b> Receipt as OK	<b>Start Date of Testing:</b> 14/09/2025
<b>Sample Plan &amp; Sampling Method:</b> NA	<b>Date of Completion:</b> 20/09/2025
<b>Environment Condition (Temp. &amp; Humidity):</b> NA	<b>Page 1 of 1</b>
<b>Addition to, Deviation or Exclusion from the Method:</b> NA	
<b>N.O.W</b> Construction of 24 m Span Steel Truss Motor bridge in km-12, at Nandprayag Ghat Motorway under U-PREPARE Project.	
<b>Issued to:</b> M/S ARKS UNIVERSAL PRIVATE LIMITED	

**Sample:** 02(Km-12)

S. No.	Characteristics	Test Value	Max. Permissible Limit as per IS:456-2000(Clause 5.4)	Method of test ref to:
1.	Requirement of 0.02N-NaOH to neutralize 100ml of water sample using Phenolphthalein indicator	1.76	5.0 ml.	IS-3025 (P-22) 1986RA:2019
2.	Requirement of 0.02 N- H <sub>2</sub> SO <sub>4</sub> to neutralize 100ml of water sample using mixed indicator	11.25	25.0ml.	IS-3025 (P-23) 1986RA:2019
3.	Organics, mg/l.	90	200	IS:3025 (P-18)2022
4.	Inorganic, mg/l.	118	3000	IS:3025 (P-18)2022
5.	Sulphate as SO <sub>3</sub> , mg/l.	25.36	400	IS: 3025(P-24) 1986RA:2019
6.	Chloride as Cl, mg/l	29	500mg/l for RCC & 200mg/l for concrete without embedded steel.	IS: 3025 (P-32) 1988RA:2019
7.	pH	7.5	Not less than 6.0	IS:3025 (P-11)2022
8.	Suspended matter, mg/l	220	2000	IS:3025 (P-17)2022

\*\*\*\*\*End of Report\*\*\*\*\*s



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