



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (उ.प्र.)  
National Test House (NR), Ghaziabad  
कमला नेहरू नगर, गाज़ियाबाद, उत्तर प्रदेश - 201002  
Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



ULR : TC687025400001955F

COMPLETE TEST CERTIFICATE

# NABL A PARTICULARS OF SAMPLE SUBMITTED

भाग अ जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No  
NABL/NTH(NR)/CH(G)/25/13820\_1

एस.आर.एफ. संख्या/SRF Number  
NTH(NR)/CH(G)/25/13820

जारी होने की तिथि/Date of issue  
23 May, 2025

कोड सं/QR Code  
NTH250080539

a) जिसे जारी करना है/Issued To	: ORDNANCE FACTORY MURADNAGAR GHAZIABAD
b) पता/Address	: EXECUTIVE DIRECTOR, ORDNANCE FACTORY MURADNAGAR, GZB, MURADNAGAR, Ghaziabad, Uttar Pradesh, India - 201206
c) ग्राहक का संदर्भ सं एवं दिनांक/Customer's Ref. No.	: TR/NR/25/138 - 03 Jan, 2025
d) नमूना मुहरबंद स्थिति/Sample Sealed Status	: Not Applicable
e) परीक्षण सामग्री का विवरण/Description of Test item	: DRINKING WATER TESTING AS PER IS: 10500 2012
f) नामपद्धति का विवरण/Description of Nomenclature	: DRINKING WATER TESTING AS PER IS: 10500 2012
g) नमूने की विशिष्टता (यदि हो)/Product Specification(if any)	: IS 10500 (2012)
h) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	: 07 Apr, 2025
i) कार्य निष्पादन की तिथि/Date(s) of Performance of Tests	: From: 17 May, 2025 To: 23 May, 2025
j) परिमाण/Quantity	: 1.0 NO
k) कोई अन्य सूचना / अतिरिक्त तिथि, यदि हो/Any other Information / Expiry Date, if any	: AS PER IS: 10500 2012
l) अनुभाग कोड/Section Code	: 25CH3379N (Pages 8)_NABL
m) अनुपद प्रमाणपत्र संख्या/Section Certificate No.	: 25CH3379N_1_NABL
n) प्रमाणपत्र का प्रकार/Certificate Type	: New
o) संदर्भ प्रमाणपत्र संख्या/Reference Certificate No.	:
p) टिप्पणी/Remarks	: Test Report Forwarded

Vinod Kumar Amirchand Ram  
OIC SAMPLE CELL  
Signed on: 23 May, 2025 12:11 PM

Signature Not Verified

vinodkumar@nhi.gov.in (Sample Cell) shall not be reproduced except in full, unless permission for the reproduction of an approved sample/items submitted to the laboratory for test.

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End of Report



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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



**PART A. PARTICULARS OF SAMPLE SUBMITTED**

**COMPLETE TEST CERTIFICATE**

परीक्षा प्रमाणपत्र no/Test Certificate No.  
NTH(NR)/CH(G)/25/13820\_1

एन आर एन संख्या/SRF Number  
NTH(NR)/CH(G)/25/13820

जारी होने की तिथि/Date of issue  
23 May, 2025

कोड सं/QR Code  
: NTH250080539

a) जिसे जारी किया है/Issued To	: ORDNANCE FACTORY MURADNAGAR GHAZIABAD
b) पता/Address	: EXECUTIVE DIRECTOR, ORDNANCE FACTORY MURADNAGAR, GZB, MURADNAGAR, Ghaziabad, Uttar Pradesh, India - 201206
c) ग्राहक का संदर्भ सं एवं दिनांक/Customer's Ref. No.	: TR/NR/25/138 03 Jan, 2025
d) नमूना मुहबंद स्थिति/Sample Sealed Status	: Not Applicable
e) परीक्षण सामग्री का विवरण/Description of Test item	: DRINKING WATER TESTING AS PER IS: 10500:2012
f) नामपद्धति का विवरण/Description of Nomenclature	: DRINKING WATER TESTING AS PER IS: 10500:2012
g) नमूने की विशिष्टता (यदि हो)/Product Specification(if any)	: IS 10500 (2012) - Drinking Water - Specification (Second Revision)
h) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	: 07 Apr, 2025
i) कार्य निष्पादन की तिथि/Date(s) of Performance of Tests	: From: 17 May, 2025 To: 23 May, 2025
j) परिमाण/Quantity	: 1.0 NO
k) कोई अन्य सूचना / अंतिम तिथि, यदि हो/Any other Information / Expiry Date, If any	: AS PER IS 10500:2012
l) अनुभाग कोड/Section Code	: 25CH3379N (Pages 8)
m) अनुबंध प्रमाणपत्र संख्या/Section Certificate No.	: 25CH3379N_1
n) प्रमाणपत्र का प्रकार/Certificate Type	: New
o) संदर्भ प्रमाणपत्र संख्या/Reference Certificate No.	:
p) टिप्पणी/Remarks	: Test Report Forwarded

**Vinod Kumar Amirchand Ram**  
**OIC SAMPLE CELL**  
Signed on: 23 May, 2025 12:11 PM

1. This Test Certification shall not be reproduced except in full, unless permission from the Director, National Test house (NR), Ghaziabad. 2. This Test Certificate relates only to the sample submitted to the laboratory for test.

Signature Not Verified  
vinodkumar@nth.gov.in  
(Sample Cell)

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Annex-3



भारत सरकार Government of India  
राष्ट्रीय परीक्षण शाला (उ.के.)  
**National Test House (NR), Ghaziabad**  
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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



IS 10500 (2012)

Section Report No. : 25CH3379N\_1

PART C. TEST RESULT

S. No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	Cl no 1	All Chemical tests (Organoleptic and Heavy Metals)- Please see Annexure NON NABL For NTH(NR)	All Chemical tests (Organoleptic and Heavy Metals)- Please see Annexure NON NABL				Test Not Applicable

Sudhakar Jaiswal  
Lab Sc. Testing/Calibration Chemical (General, Standard,  
Metal, Oil Fuel)

BUDDH Prakash  
OIC Testing/Calibration Chemical (General, Standard,  
Metal, Oil Fuel)  
(Reviewed & Approved by)  
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bprakash@nhtn.gov.in  
(OIC  
Testing/Calibration)



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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



Section Certificate No. : 25CH3379N\_1

IS 10500 (2012)

**Part D.**

REMARKS

Notes

**BUDDH Prakash**  
OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)  
(Reviewed & Approved by)  
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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



IS 10500 (2012)

Section Certificate No. : 25CH3379N\_1

## PART B. SUPPLEMENTARY INFORMATION

- |   |                |
|---|----------------|
| 1. नमूना लेने की प्रक्रिया का संदर्भ, जहाँ लागू हो।<br>Reference to sampling procedure, wherever applicable.  | Not Applicable |
| 2. परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रमि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो।<br>Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test certificate, if any | Not Applicable |
| 3. सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो।<br>Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any  | Not Applicable |
| 4. परीक्षण सामग्री की पहचान/identification of Test item   | Drinking Water |
| 5. व्यापकतः की प्राणाली की पहचान/Method(s) used for Test  | IS 3025        |
| 6. नमूना प्रक्रिया जहाँ प्रासंगिक हो/Sampling Procedure where relevant  | NA             |
| 7. पर्यावरण की स्थिति/Environmental Conditions  | Ambient        |
| 8. उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used  | ICP-OES        |
| 9. कैलिब्रेशन स्थल/Site of Calibration  |                |
| 10. मापन का पता लगाने की क्षमता/Traceability of Measurement   |                |

**BUDDH Prakash**  
OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)  
(Reviewed & Approved by)  
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Testing/Calibration)





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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



ULR : TC687025400001955F

IS 10500 (2012)

Section Report No. : 25CH3379N\_1\_NABL

#### Part D.

##### REMARKS

The sample meets the chemical requirements of IS 10500-2012; (RA 2018) for Water for Drinking purpose in respect of the tests carried out

##### Notes

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OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)  
(Reviewed & Approved by)  
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Section Code : 25CH3379N

Annexure  
ULR : TC687025400001955F

कोड सं Code No.	पृष्ठ Page	पृष्ठों की संख्या No of pages
25CH3379N	1 of 2	2

Sample Description: Drinking Water.

Test Results:

S. No.	Test	Result	Acceptable Limit	Permissible Limit	Test Method
1	Colour, Hazen units, max	Less than 5 Hazen Unit	5	15	IS 3025 (Part 4)
2	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5)
3	Turbidity, NTUmax	0.17	1.0	5.0	IS 3025 (Part 10)
4	pH value	7.2	6.5 – 8.5	No relaxation	IS 3025 (Part 11)
5	Total dissolved solids, mg/l, max	280	500	2000	IS 3025 (Part 16)
6	Free Residual Chlorine mg/l, min	Nil	0.2	1	IS 3025 (Part 26)
7	Mercury (as Hg), mg/l, max	Nil	0.001	No relaxation	IS 3025 (Part 48)/Mercury Analyser
8	Calcium (as Ca), mg/l, max	35.24	75	200	IS 3025 (Part 40)
9	Chloride (as Cl), mg/l, max	48.89	250	1000	IS 3025 (Part 32)
10	Copper (as Cu), mg/l, max	0.008	0.05	1.5	IS 3025 (Part 42)
11	Iron (as Fe), mg/l, max	0.014	1.0	No relaxation	IS 3025 (Part 53)
12	Magnesium (as Mg), mg/l, max	22.69	30	100	IS 3025 (Part 46)
13	Manganese (as Mn), mg/l, max	0.002	0.1	0.3	IS 3025 (Part 59)
	Selenium (as Se), mg/l, max	Nil	0.01	No relaxation	IS 3025 (Part 56)

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-(OIC  
Testing/Calibration)

Sudhakar Jaiswal  
Lab Sc. Testing/Calibration  
Chemical (General, Standard, Metal, Oil Fuel)

BUDDH Prakash  
OIC Testing/Calibration  
Chemical (General, Standard, Metal, Oil Fuel  
(Reviewed & Approved by)



Section Code : 25CH3379N	पृष्ठ Page	पृष्ठ क्रमांक 25400001955F No of pages
Code No. 25CH3379N	2 of 2	2

S. No.	Test	Result	Acceptable Limit	Permissible Limit	Test Method
15	Silver (as Ag), mg/l, max	0.001	0.1	No relaxation	IS 13428 (Annex J)
16	Sulphate (as SO <sub>4</sub> ), mg/l, max	83.95	200	400	IS 3025 (Part 24)
17	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l, max	162.45	200	600	IS 3025 (Part 23)
18	Total Hardness (as CaCO <sub>3</sub> ), mg/l, max	181.26	200	600	IS 3025 (Part 21)
19	Zinc (as Zn), mg/l, max	0.024	5.0	15	IS 3025 (Part 49)
20	Cadmium (as Cd), mg/l, max	Nil	0.003	No relaxation	IS 3025 (Part 41)
21	Lead (as Pb), mg/l, max	0.001	0.01	No relaxation	IS 3025 (Part 47)
22	Nickel (as Ni), mg/l, max	Nil	0.02	No relaxation	IS 3025 (Part 54)
23	Total Arsenic (as As), mg/l, max	Nil	0.01	No relaxation	IS 3025 (Part 37)
24	Total chromium (as Cr), mg/l, max	0.001	0.05	No relaxation	IS 3025 (Part 52)
25	Aluminium (as Al), mg/l, max	0.01	0.03	0.2	IS 3025 (Part 55)
26	Molybdenum (as Mo), mg/l, max	0.014	0.07	No relaxation	IS 3025 (Part 2)
27	Nitrate (as NO <sub>3</sub> ), mg/l, max	3.50	45	No relaxation	IS 3025 (Part 34)
28	Barium (as Ba), mg/l, max	0.12	0.7	No relaxation	IS 15302:2003
29	Boron (as B), mg/l, max	0.32	0.5	1.0	IS 3025 (Part 57)
30	Total Coliform	Absent/100 ml	Absent/100 ml	-	IS 15185 : 2016
31	E.Coli	Absent/100 ml	Absent/100 ml	-	IS 15185 : 2016

Signature Not Verified

bprakash@n.gov.in

-(OIC

Testing/Calibration)

Sudhakar Jaiswal  
Lab Sc. Testing/Calibration  
Chemical (General, Standard, Metal, Oil Fuel)

BUDDH Prakash  
OIC Testing/Calibration  
Chemical (General, Standard, Metal, Oil  
(Reviewed & Approved by)





भारत सरकार Government of India  
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**National Test House (NR), Ghaziabad**  
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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



ULR : TC687025400001955F

IS 10500 (2012)

Section Report No. : 25CH3379N\_1\_NABL

# NABL B. SUPPLEMENTARY INFORMATION

1. नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो। Reference to sampling procedure, wherever applicable.	Not Applicable
2. परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रती हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any	Not Applicable
3. सम्बन्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any	Not Applicable
4. परीक्षण सामग्री की पहचान/Identification of Test item	Drinking Water
5. व्यापकतः की प्राणाली की पहचान/Method(s) used for Test	IS-3025
6. नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	NA
7. पर्यावरण की स्थिति/Environmental Conditions	Ambient
8. उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	ICP-OES
9. कैलिब्रेशन स्थल/Site of Calibration	
10. मापन का पता लगाने की क्षमता/Traceability of Measurement	

**BUDDH Prakash**  
OIC Testing/Calibration Chemical (General, Standard, Metal, Oil Fuel)  
(Reviewed & Approved by)  
Signed on: 23 May, 2025 12:01 PM

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(OIC  
Testing/Calibration)





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**National Test House (NR), Ghaziabad**  
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Kamla Nehru Nagar, Ghaziabad, Uttar Pradesh - 201002



ULR : TC687025400001955F

IS 10500 (2012)

Section Report No. : 25CH3379N\_1\_NABL

NABL C TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	Cl no 1	All Chemical tests (Organoleptic and Heavy Metals)- Please see Annexure NABL For NTH(NR)	All Chemical tests (Organoleptic and Heavy Metals)- Please see Annexure-NABL For NTH(NR)				Please see Annexure

Sudhakar Jaiswal  
Lab Sc. Testing/Calibration Chemical (General, Standard,  
Metal, Oil Fuel)

BUDDH Prakash  
OIC Testing/Calibration Chemical (General, Standard,  
Metal, Oil Fuel)  
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