

.....
DOC No. : I-30,DLF Industrial Area, Phase-1, Faridabad,
Telephone : +91 9910808996 Faridabad, Haryana, India - 121003
FAX : -
E-Mail : info@atmylabs.com
BO Code : None

Test REPORT AS PER : IS 17803 (2022)

QR Code/Barcode : 100001084008

REPORT NO : 10498284/2025/SS/1_1

DATE : 02 Aug, 2025

PART A. PARTICULARS OF SAMPLE SUBMITTED

a) Customer Name & Address : COPPER NET
HN-20/21, Ganeshra Road, Behind M.P.S.M Grace
Convent Sr. Sec. School,Ganesh Dham Colony,
Mathura, UTTAR PRADESH, pin :-281004,
MATHURA, MATHURA, UTTAR PRADESH, INDIA -
281001

b) Nature of sample : SS

c) Grade/Variety/Type/Class Size etc : Potable water Bottles / Copper / upto 1 litre
including 250ml , 500ml /with auxiliary closure
without chord chain

d) Declare values, if any : as per IS 17803

e) Batch No. & Date of Manufacture : 001/

f) Quantity : 8 nos

g) Date of Receipt : 11 Jul, 2025

h) BIS Seal : Verified by Sample Cell

i) IO's Signature : Verified by Sample Cell

j) Any other Information / Expiry Date, If any : -/5 years

k) Date of Commencement of Testing : 12 Jul, 2025

l) Date of Completion of Testing : 02 Aug, 2025

m) Section Code : 25M9BF8

n) Section Report No. : 25M9BF8_1

o) Report Type : New

p) Reference Report No. :

q) Remarks :

Nitin Chauhan
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 02 Aug, 2025 16:50 PM

1.

This is a Computer Generated Report.

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PART B. SUPPLEMENTARY INFORMATION

- | | |
|--|----------------|
| 1. Reference to sampling procedure, wherever applicable. | Not Applicable |
| 2. 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. Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any. | Not Applicable |
| 3. NABL Report required ? | - |

Yashdeep Kamal Kumar
OIC Mechanical
(Authorized Signatory)
Authorized on: 02 Aug, 2025 16:48 PM

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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	9.1	Marking	Marking	-	-	-	The complete test report is attached
2	7.11	Load test	Load test	-	-	-	The complete test report is attached
3	7.10	Stability test	Stability test	-	-	-	The complete test report is attached
4	7.9	Lever, device for operating or Regulating flow test	Regulating flow test	-	-	-	The complete test report is attached
5	7.7	Leakage test	Leakage test	-	-	-	The complete test report is attached
6	7.5	Test for cord	Test for cord / Cord chain	-	-	-	The complete test report is attached
7	7.4	Test for strength of shoulder strap	Test for strength of shoulder strap	-	-	-	The complete test report is attached
8	7.3, 7.3.1, 7.3.2	Impact resistance Test/ Drop Impact Test/ Pendulum Impact test	Impact resistance Test/ Drop Impact Test/ Pendulum Impact test	-	-	-	The complete test report is attached
9	7.2	Capacity	Capacity	-	-	-	The complete test report is attached
10	7.1.3.3	o-ring or washer - Defects	Visual Examination	-	-	-	The complete test report is attached
11	7.1	Materials	Materials	-	-	-	The complete test report is attached
12	5.3	Manufacture and Workmanship	Manufacture and Workmanship	-	-	-	The complete test report is attached
13	5	Manufacture and Workmanship	Manufacture and Workmanship	-	-	-	The complete test report is attached

Yashdeep Kamal Kumar
OIC Mechanical
 (Authorized Signatory)
 Authorized on: 02 Aug, 2025 16:48 PM

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PART D. REMARKS

Yashdeep Kamal Kumar
OIC Mechanical
(Authorized Signatory)
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TEST REPORT

Report No.: **25M9BF8**

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Date: 01-08-2025

Issued To:

M/s COPPER NET
HN-20/21, GANESHRA ROAD, BEHIND M.P.S.M GRACE CONVENT
SR. SEC. SCHOOL, GANESH DHAM COLONY, MATHURA,
MATHURA, UTTAR PRADESH, INDIA - 281001

Sample Description : Sample Code- 10498284/2025/SS/1, QR CODE- 100001084008
Sample Received Date : 11-07-2025
Sample Drawn By : Client
Specification : --
Test Requested : Test as per IS 17803:2022
Test Method : Refer to Attached Pages.
Test Result : Refer to Attached Pages.

Authentication: To Check authenticity of Test report (s), Scan QR code to get original data.



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TEST REPORT

Report No.: **25M9BF8**

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PART –A: PARTICULARS OF SAMPLE SUBMITTED:

Nature of sample	:	Potable Water Bottles (Metallic)
Grade/Variety/Type/Class	:	-
Brand Name, if any	:	-
Declared Value (as per T.R)	:	-
Code No.	:	10498284/2025/SS/1
Designation Code	:	-
Batch No. & Date of Mfg.	:	001 & 25 Jun,2025
Quantity of sample received	:	8 pcs
Condition of sample received	:	Satisfactory
Mode of packing	:	-
Manner of seal	:	-
Manner of Signature	:	-
Other information if any	:	Potable water bottle (Metallic). Copper Water Bottle, without Auxiliary Closure, without cord chain, Nominal Capacity 1000 ml.

PART-B: SUPPLEMENTARY INFORMATION:

- a) Reference to the sampling procedure, wherever applicable: N/A
- b) Supporting to the documents for the measurement taken and result derived like graph, table, sketches, and/or photographs as appropriate to test report, if any [To be attached]: N/A
- c) Deviation from the test methods as prescribed in relevant ISS/work instruction, if any: N/A

PART – C: TEST RESULTS:

TEST REPORT AS PER IS 17803:2022 (Applicable amendment no. 1 & 2)

I. Chemical & Mechanical

Test Method: IS 17803:2022

Test performed on: 11-07-2025 to 01-08-2025

Sr. No	Clause No.	Test (s)	Unit	Requirement	Result obtained
1	4.0	Types (Shape, Size and Nominal Capacity)			
	4.1		ml	The bottle normally comes in various capacities up to 1500 ml. The nominal capacity of the bottle shall be declared by the manufacturer	1000 (Declared)
2	5.0	Manufacture and Workmanship			
	5.1		-	The bottle shall be clean, reasonably free from distortion, dents, wrinkles, wavy surface, colouring, burrs, scratches, pitting, deep tool marks and other surface defects	Satisfactory
			-	The design of the bottle shall be such that it is easy to clean and prevent accumulation of dirt	Complies

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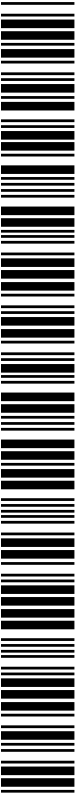
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	5.3		-	If possible, avoid welding and have only seamless stainless bottle. Welding if done for stainless steel bottle, shall be free from welding defects.	NA
			-	The welding electrode shall conform to grade 308L as per IS 5856	NA
			-	The weld shall be finished properly so that when a finger is passed on the joint, it shall be smooth	NA
	5.3 note	Welding And Finishing	-	The welding shall comply with Annex C	NA
	5.4		-	The mouth of the bottle which would be used for sipping shall have smooth, no sharp edges	No sharp edges present
	5.5		-	Bottles shall be seamless drawn to avoid welding on copper or aluminium	Satisfactory
3	7.0	Performance tests			
	7.1.1	Copper Bottle	-	The copper sheet used for drawing of bottle shall comply to the chemical properties as per Cu-ETP, Cu-FRHC or Cu-CATH-2 given in Table 4 of IS 191.	Complies (Grade Cu-ETP of IS 191)
		Material (As per IS 191)		Grade Cu-ETP	Grade Cu-ETP
		Phosphorus		-	-
		Arsenic		-	-
		Antimony		-	-
		Bismuth		0.001 max.	Not Detected
		Iron		-	-
		Lead	%	0.005 max.	0.003
		Nickel		-	-
		Oxygen		0.045 max.	0.004
		Selenium		-	-
		Sulphur		-	-
		Tellurium		-	-
		Tin		-	-
		Zinc		-	-
		Selenium+ Tellurium		-	-
		Copper + Silver		99.90 min.	99.993
		Total Impurities		0.03 (Excluding oxygen and silver)	0.003

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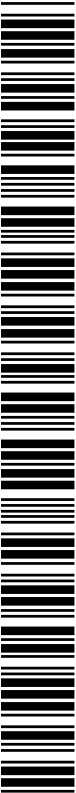
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	Sheet thickness of bottle	mm	0.5 min.	0.512
	Sheet thickness of Lid and cap	mm	0.5 min.	0.510
7.1.2	Stainless Steel Bottle			
7.1.2.1	Material (as per IS 5522 or 6911)	%	The material shall be of grade of s N1, N2 as per IS 15997 or IS 6911 or grade 304 series as per IS 5522 or IS 6911 or 316/316L as per IS 6911.	NA
	Sheet thickness of bottle	mm	0.4 min.	NA
	Sheet thickness of Lid and cap	mm	0.4 min.	NA
7.1.2 notes 1		-	If grades N1 and N2 are used and welding is done in the food contact area of inner container, then material shall comply with the requirements given in Annex A, Annex B, and Annex C	NA
7.1.2 note 2		-	Material requirements of aluminum bottle shall be as per IS 3603	NA
7.1.3	Stopper			
7.1.3.1		mg/dm ²	The stopper of the bottle shall be of non-toxic (as per 9845) Overall migration: 10.0 max.	NA NA
		%	If stainless steel, copper or aluminium is used, stopper shall conform to the material specified for the respective bottle.	Complies (Copper stopper)
		-	When fitted to the bottle it shall not slip off and shall provide a leak proof fitting	Complies
		mg/dm ²	If an O-ring or washer is provided it shall be food grade silicone, refer to IS 3565 for information on silicone Overall migration-10.0 max.	Complies 0.8

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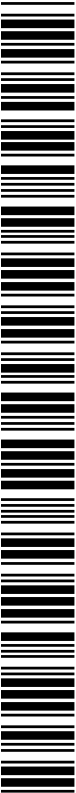
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5.2 of IS 3565	Physical Requirements of silicon o ring (as per IS 3565)			
5.2.3	Resistance to Autoclaving (as per annex A)	-	After test no sign of deterioration such as tackiness, hardness, cracks and discoloration	Satisfactory
5.3 of IS 3565	Chemical Requirements of silicon o ring (as per IS 3565)			
5.3.1 Table 1 Sr no 1.	Water extract (as per Annex B) a) pH b) Colour c) Turbidity d) Odour	-	7±0.5 Colourless Not turbid Odourless	7.2 Colourless Not turbid Odourless
5.3.1 Table 1 Sr no 2	Acetone extract (as per Annex C) a) Acetone extracted material, b) Free Sulphur	%	a)3.0 max. b)NA	a)0.56 b)NA
5.3.1 Table 1 Sr no 3	Ash content (as per Annex D)	-	NA	NA
5.3.1 Table 1 Sr no 4	Volatile components (as per Annex E)	%	0.5 max.	0.32
5.3.1 Table 1 Sr no 5	Extractable protein content (as per Annex F)	-	NA	NA
5.3.3 of IS 3565	Migration of Heavy Metals			
5.3.3 table 3 Sr no 1	Antimony	ppm	15 max.	Not detected at detection limit 0.5 ppm
5.3.3 table 3 Sr no 2	Arsenic	ppm	10 max.	Not detected at detection limit 0.5 ppm
5.3.3 table 3 Sr no 3	Chromium	ppm	10 max.	Not detected at detection limit 0.5 ppm
5.3.3 table 3 Sr no 4	Mercury	ppm	10 max.	Not detected at detection limit 0.5 ppm
5.3.3 table 3 Sr no 5	Cadmium	ppm	20 max.	Not detected at detection limit 0.5 ppm
5.3.3 table 3 Sr no 6	Lead	ppm	25 max.	Not detected at detection limit 0.5 ppm
5.3.3 table 3 Sr no 7	Barium	ppm	100 max.	Not detected at detection limit 0.5 ppm

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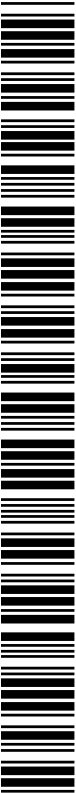
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5.3.3 table 3 Sr no 8	Selenium	ppm	100 max.	Not detected at detection limit 0.5 ppm
5.3.4 Table 4 Sr no 1	Total N-Nitrosamines	mg/kg	0.01 max.	Not detected at detection limit 0.001 mg/kg
5.3.4 Table 4 Sr no 2	Total N-Nitrosatables	mg/kg	0.1 max.	Not detected at detection limit 0.001 mg/kg
		-	The O-ring or washer, when visually examined, shall be free from blisters, pinholes, cracks, embedded foreign matters and other defects which may impair their serviceability, No joints allowed	Satisfactory
7.1.4	Auxiliary Closure	-	The auxiliary closure(s) can be made of polymer. It shall be non-toxic, food grade material and shall not deform under normal conditions of use	NA
		-	If auxiliary closure(s) is made of stainless steel, copper or treated aluminium, the material shall be same as that used for the bottle	NA
7.1.5	Lever	-	The lever, device for operating or regulating of flow shall be operated for a minimum of 1 500 times. It shall be checked for proper functioning	NA
7.1.6	Shoulder strap	-	-	NA
7.1.7	Cord chain	-	-	NA
7.1.8	Aluminium bottle	-	-	NA
7.1.9	If the bottle is coated fully or partially externally			
	Thickness test (as per IS 9730)	µm	-	NA
	Salt water corrosion test (as per IS 9730)	-	No defects additional to those initially present shall be observed in the coating	NA

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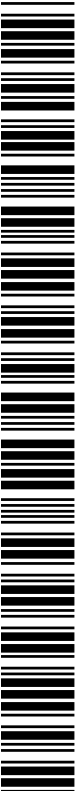
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	Adhesion test (as per IS 9730)			
	A .Cross-hatch Test	-	no complete squares and not more than 5 percent of the total cross-hatched area of the coating shall be lifted from either the base or the walls of the utensil.	NA
	B. Peel Test	-	the length peeled away shall not be greater than 2 mm	NA
	Lead limit of the coating (as per IS 9806)	mg/l	0.50 max.	NA
	Cadmium limit of the coating (as per IS 9806)	mg/l	0.25 max.	NA
7.2	Capacity Test			
7.2.1	Nominal capacity of the bottle	ml	1000 (Declared by manufacturer) Tolerance (+5 %,-0)	1038
7.3	Impact Resistance Test			
7.3.1	Drop Impact Test 1.Horizontal hang 2.Vertical hang 3. Free Fall test	-	For all the tests ,the bottle shall be free from defects which are harmful to use. There shall be no crack or water leakage. The bottle shall comply to leakage test as specified in 7.7.	Satisfactory (For all 3 tests)
7.3.2	Pendulum Impact Test	-	The bottle shall be free from defects which are harmful to use. There shall be no crack or water leakage. The bottle shall comply to leakage test as specified in 7.7	NA
7.4	Strength of Shoulder Strap	-	-	NA
7.5	Test for Cord	-	-	NA
7.6	Test for Cord Chain	-	-	NA
7.7	Leakage Test	-	No drops shall appear on the stopper, sipper or on the surface on which the bottle has been over turned.	Satisfactory (No drops appear on stopper)
			The bottle shall be subjected to internal air pressure of 50 kPa (around 0.5 kgf/cm ²) for 15 s, shall not show any sigh of leakage when immersed in water	Satisfactory

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TEST REPORT

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7.8	Staining Test (Stainless Steel Bottle Only)	-	shall not show any sign of staining after removal from the solutions at the end of period	NA
7.9	Lever, Device for Operating or Regulating Flow Test	-	Operate the lever or device 1500 times and check for proper functioning	NA
7.10	Test for Stability of Bottle	-	It should not overturn or fall	Complies
7.11	Load Test (5kg for 30 min)	-	There shall not be any deformation in shape/bulging after test	Satisfactory (No deformation in shape observed)
7.12	a) Food safe test (as per IS 9845) b) The bottle shall not degrade the drinking water (as per 5 of IS 8688)	- mg/dm ² - -	a) If any polymer material is used which comes in contact with the stored drinking water shall comply to food safe test/leaching test Overall migration: 10.0 max. b) Shall not degrade the drinking water	a) Complies 0.8 Complies (No any unpleasant odour and fungal growth observed)
7.13	Test of bottle with the physical requirements of IS 10500	-	shall comply with the physical requirements of IS 10500	Complies as per IS 10500

PART – D: REMARKS: The above submitted sample/product conforms to the requirements of IS 17803:2022 (Applicable amendment no. 1 & 2) with respect to above tests only

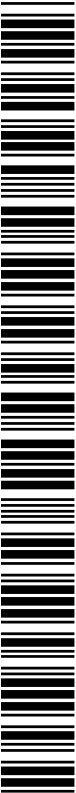
- Note:
- 1) Selection of samples for individual test have been done in accordance with respective clauses of IS 17803:2022 (Applicable amendment no. 1 & 2)
 - 2) Details of sub-contracted: Nil
 - 3) Remnant samples will be disposed off after 03 months from the date of issue of test report.

-----End of Report-----




Renu Sharma
TECHNICAL MANAGER

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