

Copper material & testing dossier

THE KOPERO COLLECTION

A clear overview of the material specification and independent laboratory testing that support Kopero's solid-copper product range.

01

METAL COMPOSITION

02

FOOD-CONTACT TESTING

03

HEAVY-METAL SCREENING

AT A GLANCE

99.21% copper

measured in the independent composition analysis of a submitted Kopero copper bottle.

REPRESENTATIVE FINISHED PRODUCTS

Bottle · Mug · Pyramid

passed the reported overall migration, sensory, specific migration and total lead/cadmium test programme.

ONE MATERIAL PHILOSOPHY

Solid copper across the range

Kopero's collection is built around a consistent material choice: solid, uncoated copper, sourced through the same workshop and made to the same material specification.

99.21%

COPPER MEASURED

0.75%

ZINC MEASURED

0.04%

OTHER CONSTITUENTS

INDEPENDENT COMPOSITION ANALYSIS

A submitted finished copper bottle was analysed by RTC Laboratory / Metal Handicrafts Service Centre using ASTM E1621:2013 and IS 228 methods. The measured composition was **99.21% copper** and **0.75% zinc**.

Report reference: RTCL-32149/2021-22/Q1-2122060000363 · 16 June 2021

WHAT THIS MEANS FOR THE KOPERO COLLECTION

The same specified solid-copper material and the same workshop are used for Kopero drinkware, bracelets, tongue scrapers, pyramids, tensor rings and electroculture products. The measured composition therefore serves as the material reference for the collection, while the product-specific testing described on the following pages confirms the performance of representative finished products.

Kopero product specification: solid copper, without lacquer, coating or tin lining.

INDEPENDENT LABORATORY PROGRAMME

Finished-product testing

In 2026, a copper bottle, copper mug and copper pyramid were submitted together for a broad programme of food-contact and heavy-metal testing. The overall reported result was PASS.

TEST AREA	METHOD / CONDITION	REPORTED RESULT
Overall migration	EN 1186-1:2002 reference; distilled water; 40°C for 2 hours; three successive migrations	All three products: <3.0 mg/in ² in every migration Limit: ≤10.0 mg/in² · PASS
Sensory assessment	DIN 10955; odour and taste in water	Bottle, mug and pyramid: grade 0 Maximum permitted: 2.5 · PASS
Specific migration	EN 13130-1 reference; ICP-MS; 19 specified elements; three migrations	All reported as N.D. for every product and migration PASS
Total lead & cadmium	IEC 62321-5:2013; ICP-MS; REACH Annex XVII references	Lead: N.D. · Cadmium: N.D. PASS

URS report 2026: PASS

URS/LAB/02/RID/26-27/2103 · 28 April 2026 · Submitted products: Water bottle, Mug, Copper pyramids

ONE COPPER SPECIFICATION

Evidence for the full range

The laboratory programme combines a material-composition analysis with testing of representative finished products. Together with Kopero's consistent sourcing and product specification, this provides a practical quality framework for the full collection.

PRODUCT FAMILY	MATERIAL BASIS	LABORATORY EVIDENCE
Water bottle	Same specified solid copper and workshop	Directly represented in the RTC composition analysis and URS 2026 programme
Mug	Same specified solid copper and workshop	Directly represented in the URS 2026 programme
Copper pyramids	Same specified solid copper and workshop	A finished copper pyramid was directly represented in the URS 2026 programme
Cup & jug	Same specified solid copper and workshop	Supported by the collection's material specification and representative drinkware evidence
Bracelets & tongue scraper	Same specified solid copper and workshop	Supported by the collection's material specification and composition reference
Tensor ring & electroculture	Same specified solid copper and workshop	Supported by the collection's material specification and composition reference

CONSISTENT BY DESIGN

Shapes and uses vary, but the foundation remains the same: the Kopero solid-copper material specification, supplied through the same production workshop.

DETAILED RESULTS

A broad metals screen

Nineteen specified elements were included in the specific-migration programme. Every result was reported as not detected for the bottle, mug and pyramid across all three successive migrations.

 Arsenic N.D. × 3 migrations	 Cadmium N.D. × 3 migrations	 Chromium N.D. × 3 migrations	 Mercury N.D. × 3 migrations
 Lead N.D. × 3 migrations	 Aluminium N.D. × 3 migrations	 Barium N.D. × 3 migrations	 Cobalt N.D. × 3 migrations
 Copper N.D. × 3 migrations	 Iron N.D. × 3 migrations	 Lithium N.D. × 3 migrations	 Manganese N.D. × 3 migrations
 Zinc N.D. × 3 migrations	 Nickel N.D. × 3 migrations	 Antimony N.D. × 3 migrations	 Europium N.D. × 3 migrations
 Gadolinium N.D. × 3 migrations	 Lanthanum N.D. × 3 migrations	 Terbium N.D. × 3 migrations	

ADDITIONAL REPORTED OUTCOMES

Overall migration <3.0 mg/in² · Sensory grade 0 · Lead & cadmium N.D.

N.D. means not detected at the reporting method's stated detection limit. It does not mean an absolute zero concentration.

SOURCE REGISTER

Clear evidence, clearly presented

This customer edition translates the available laboratory records into an accessible collection-wide overview while respecting the laboratories' reproduction restrictions and protecting confidential supply-chain information.

01 · METAL COMPOSITION

RTC Laboratory / Metal Handicrafts Service Centre

Report: RTCL-32149/2021-22/Q1-2122060000363

Date: 16 June 2021 · **Sample:** Copper Bottle

Methods: ASTM E1621:2013 and IS 228

02 · FOOD-CONTACT AND METALS PROGRAMME

URS Products and Testing Pvt. Ltd.

Report: URS/LAB/02/RID/26-27/2103

Date: 28 April 2026 · **Samples:** Copper Bottle, Copper Mug and Copper Pyramid

Reported conclusion: PASS

HOW TO READ THIS DOSSIER

The laboratory results apply to the submitted samples and stated test conditions. Kopero uses the same declared solid-copper specification and workshop across its present collection; this is the basis for the collection-wide material reference. The dossier is a product-quality summary and does not make medical or therapeutic claims.

MORE INFORMATION

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Last reviewed: 26 September 2026

TRACEABLE SOURCE RECORDS

Independent verification

Kopero keeps the complete original laboratory files on record. The identifying information below lets customers and professional reviewers trace the evidence without publishing restricted report pages or confidential supply-chain details.

01

URS Products & Testing

Report: URS/LAB/02/RID/26-27/2103

Issued: 28 April 2026

Original record: 9 pages · **Testing:** 21-28 April 2026 ·

Samples: Water bottle, Mug, Copper pyramids

ORIGINAL FILE FINGERPRINT · SHA-256

F9CE0DD79138799D775E0D474FD87F5E
EC03674DF92B7A447CB47E2400643F5E

urs-labs.com

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02

RTC Laboratory

Report: RTCL-32149/2021-22/Q1-2122060000363

Issued: 16 June 2021

Original record: 2 pages · **Sample:** Water bottle · **Test:** metal composition

ORIGINAL FILE FINGERPRINT · SHA-256

124FF9B04AB48331161FB4F6A403CAE2
6696B0AFD342EFA277A50DA9D1BBCDB8

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