

TEST REPORT — SUMMARY

Laboratory report summary for food-contact material safety compliance

Report number	MT-HMM-2026-0087
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Applicant	Martholm (Yiwu Xiongchuan Trading Co., Ltd.), Room 701-702, Building 7, Lugang E-commerce Town, Yiwu, Zhejiang
Product line	Enameled cast iron cookware (porcelain enamel on cast iron)
Testing laboratory	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. — ISO/IEC 17025 accredited

1. Samples

No.	Sample description	Lot / batch	Condition on receipt
S1	Enameled cast iron Dutch oven 5.5 qt (terracotta) — interior enamel	MT-2026-03-C07	Sealed, intact
S2	Enameled cast iron Dutch oven 5.5 qt (cobalt) — interior enamel	MT-2026-03-C07	Sealed, intact

2. Tests performed and results

Test item	Method / standard	Requirement	Result
Lead release (4% acetic acid, 22 °C, 24 h)	ISO 7086-2; ASTM C738	Pb ≤ 0.05 mg/kg	PASS — < 0.01 mg/kg
Cadmium release (4% acetic acid, 22 °C, 24 h)	ISO 7086-2; ASTM C738	Cd ≤ 0.005 mg/kg	PASS — < 0.005 mg/kg
California Prop 65 settlement criteria (flatware)	CA settlement thresholds	Pb ≤ 0.1 ppm; Cd ≤ 0.08 ppm	PASS — below thresholds
Thermal-shock durability of enamel	Internal method MT-TS-04 (180 °C to 20 °C, 5 cycles)	No crazing or spalling after 5 cycles	PASS — no visible defect

3. Conclusion

The tested porcelain enamel surfaces comply with ISO 7086-2, ASTM C738 and California Proposition 65 settlement thresholds for lead and cadmium release. Enamel integrity passed thermal-shock cycling without crazing or spalling.

This document is a summary of the original test report. The complete report with raw data, test methods and photographs is available from Martholm on request (support@martholm.com). The laboratory name and report number above identify the original filing.