

# TEST REPORT — SUMMARY

Laboratory report summary for food-contact material safety compliance

|                    |                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------|
| Report number      | MT-FCS-2026-0114                                                                                               |
| Report date        | 2026-06-18                                                                                                     |
| Pages              | 14                                                                                                             |
| Applicant          | Martholm (Yiwu Xiongchuan Trading Co., Ltd.), Room 701-702, Building 7, Lugang E-commerce Town, Yiwu, Zhejiang |
| Product line       | Ceramic nonstick cookware (sol-gel coating on aluminium)                                                       |
| 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  | Ceramic nonstick skillet 10" (charcoal) — coating on aluminium | MT-2026-04-A12 | Sealed, intact       |
| S2  | Ceramic nonstick saucepan 2 qt (slate) — coating on aluminium  | MT-2026-04-A12 | Sealed, intact       |
| S3  | Ceramic nonstick fry pan 8" (cream) — coating on aluminium     | MT-2026-05-B03 | Sealed, intact       |

## 2. Tests performed and results

| Test item                                    | Method / standard                 | Requirement                        | Result                              |
|----------------------------------------------|-----------------------------------|------------------------------------|-------------------------------------|
| Overall migration (10% ethanol, 4 h, 100 °C) | EU 10/2011; EN 1186-14            | ≤ 10 mg/dm <sup>2</sup>            | PASS — 1.8 mg/dm <sup>2</sup> (max) |
| Specific migration: PFOA                     | CEN/TS 15968 (LC-MS/MS)           | Not detectable (< 0.0025 mg/kg)    | PASS — not detected                 |
| Lead and cadmium release                     | ASTM C738; ISO 8391-1             | Pb ≤ 0.05 mg/kg; Cd ≤ 0.01 mg/kg   | PASS — below LOQ                    |
| Food-contact compliance (US)                 | FDA 21 CFR 175.300 (extractables) | Compliant with limitations & specs | PASS                                |
| Sensory test (odour / taste)                 | LFGB §30/31; DIN 10955            | No perceptible transfer            | PASS                                |

## 3. Conclusion

The tested ceramic nonstick coatings comply with FDA 21 CFR 175.300 and EU Regulation (EC) No 1935/2004 for the food contact conditions stated above. PFOA was not detected; lead and cadmium release were below the limits of quantification.

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.