FOOD-CONTACT SAFETY AND COMPLIANCE

SLIMCORK®

Laboratory test summary based on CTCOR Report 2210/24 (E)

Evidence summary: Across the reported food-contact, microbiological and chemical parameters, the tested SLIMCORK sample met the benchmarks applied by CTCOR or produced results below the stated detection or quantification limits, within the report's test conditions.

2	5	0	<0.2
mg/stopper overall migration, 20% ethanol	mg/stopper overall migration, 3% acetic acid	cfu/stopper moulds and yeasts	mg/stopper specific silicone migration

Test programme

Test element	Description
Sample identification	Client reference: SLIMCORK
Sample condition	Printed, washed and surface-treated cork stoppers; sample supplied by the client
Test period	11 April to 20 June 2024
Testing organisation	CTCOR - Centro Tecnológico da Cortiça
Scope	Overall migration, silicone migration, microbiology, chlorophenols, ochratoxin A and heavy metals

Core food-contact and microbiological results

Parameter	Reported result	CTCOR reading / benchmark	Report scope
Overall migration 20% ethanol	2 mg/stopper ≈2.7 mg/L*	Below the 60 mg/L benchmark cited in the report	Within accredited scope
Overall migration 3% acetic acid	5 mg/stopper ≈6.7 mg/L*	Below the 60 mg/L benchmark cited in the report	Within accredited scope
Specific silicone migration	<0.2 mg/stopper	Silicone compound not detected in the overall-migration residue	Outside accredited scope (a)
Moulds and yeasts	0 cfu/stopper	Below the report's parametric value of 10 cfu/stopper	Within accredited scope
Bacteria	1 ± 1 cfu/stopper	Below the report's parametric value of 10 cfu/stopper	Within accredited scope

** Readability conversion based on the report's 0.75 L bottle configuration: 2 mg/stopper ÷ 0.75 L ≈ 2.7 mg/L; 5 mg/stopper ÷ 0.75 L ≈ 6.7 mg/L. The original reported unit is mg/stopper.*

Additional chemical findings

Parameter	Reported result	Report interpretation
2,4,6-trichlorophenol	0.8 µg/kg; 3.9 ng/stopper	Below the report's 40 ng/stopper residual guide value
2,3,4,6-tetrachlorophenol	Not detected	No detected result reported
Pentachlorophenol	Not detected	Below the report's 150 µg/kg parametric value
Ochratoxin A	<3.3 µg/kg	Below quantification; worst-case migration calculated by CTCOR at ≤15.2 ng
Mercury	<0.33 mg/kg dry matter	Below quantification
Total chromium	<0.67 mg/kg dry matter	Below quantification
Cadmium	<0.067 mg/kg dry matter	Below quantification
Lead	<0.83 mg/kg dry matter	Below quantification

CTCOR calculated the ochratoxin A worst-case migration as approximately 99 times below the 2.0 µg/kg maximum for wine cited in the report.

Accreditation and interpretation

Accredited scope: Report 2210/24 (E) bears the IPAC L0089 accreditation mark under ISO/IEC 17025. Overall migration and microbiology are not marked (a) in the report. Silicone migration, chlorophenols, ochratoxin A and heavy metals are marked (a) and therefore sit outside the accredited scope.

Sampling: The sample was supplied by the client. Sampling is outside the accredited scope.

Intended-use conclusion in the report: For normal and foreseeable use as a sealing article for alcoholic beverages up to 20% v/v, CTCOR reported compliance with the chemical-inertness restriction for silicone-based surface-treatment products in the CELiège Code, Version 7.1.

2026 regulatory context: The 2024 report assessed heavy metals against Directive 94/62/EC. From 12 August 2026, Regulation (EU) 2025/40 replaced that Directive and retains a 100 mg/kg maximum for the sum of lead, cadmium, mercury and hexavalent chromium in packaging (Article 5(4)). The report measured total chromium, not specifically hexavalent chromium; this summary therefore preserves CTCOR's original conclusion and does not issue a new legal conformity assessment.

Technical conclusion: Within the tested sample and configuration, Report 2210/24 (E) provides evidence of low overall migration, low microbial counts, no detected silicone compound in the migration residue, and chemical results below the report's cited limits or quantification levels.

Source and document status

Primary source: CTCOR Report 2210/24 (E), dated 20 June 2024. This public summary identifies the tested sample only by the report's client reference, SLIMCORK. It is a derived technical summary, not the original laboratory report, a certificate or a declaration of conformity.

Regulatory reference: Regulation (EU) 2025/40, Articles 5(4) and 70 - https://eur-lex.europa.eu/eli/reg/2025/40/oj/eng

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