



Laboratory of
SGS Bulgaria Ltd

Test Report

No. VA20-05950.001 A / 10.07.2023

Laboratory of SGS Bulgaria Ltd

Accredited by EA BAS in compliance with BSS EN ISO/IEC 17025:2018,
Accreditation certificate: BAS reg. No 86 ЛИ. Dated: 30.09.2022, Valid until: 31.01.2025
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ΦK 08 A1
Page 1 of 1

Analyses ordered by: ALIANS - DN OOD
17B, P. Evtimij blvd, 6000 Stara Zagora
BULGARIA

Date of sample receipt: 26.06.2023
Date of analysis: 09.07.2023

Type of Sample: Consumer goods. Metal lug caps Φ 58, for glass jars type „Twist off“
Sample Description: 20pcs.
The sample is identified by the Client as: Parcel 2022;
Produced by: Electrolytic Tinplate -metal sheets;
Thickness 0.16-0.17mm; Hardness TH 580-620;
Coated Surface:
-external: Gold/White enamels;
-internal: 1.) Corrosion resistance basecoat BPA Ni; 2.) Adhesive varnish BPA Ni;
Plastisol sealant: PVC plastisol, on DOTP,
ESBO and phthalates free.
Suitable for pasteurization in max 121 C/60'

The sample is formed by the client.

Package quality: unimpaired
Package: plastic
Sample temperature: -
Sampling report: -
Seal: -

The sample is destroyed during analysis.

Parameter	Unit	Test Result, Uncertainty	Method of Analyses	Test conditions
Overall migration			BSS EN 1186-9:2002	4h, 100°C, simulant D1
Part 1	mg/dm ²	4.6 ± 0.5		
Part 2	mg/dm ²	3.3 ± 0.3		
Part 3	mg/dm ²	6.2 ± 0.6		
Part 4	mg/dm ²	5.6 ± 0.6		
Overall migration (mean) **	mg/dm ²	4.9 ± 0.5		
Specific migration of Bisphenol A	mg/kg	<0.05	СД CEN/TS 13130-13:2013	4h, 100°C, simulant D1

< Limit of quantification (LOQ)

* Limit of detection (LOD)

** *Comments on the marked parameters:*

Overall migration (mean): is 3.9 mg/article.

Comments on the results with reference to:

Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food: The limit of volatile substances to model solutions at the above listed test conditions: 10 mg/dm²

Results validated by:

Anna Tsaneva - Technical manager



Veselka Pashova
Laboratory manager

Document No: 0000062087

This electronically generated test report has been checked and approved. It is also valid without handwritten signatures.

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