



TEST REPORT

No. VAR22-0002550-0001 A / WORD_APPROVEDDATE

ΦK 08 A1

Laboratory of SGS Bulgaria Ltd.

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Laboratory of
SGS Bulgaria Ltd.

Accredited by EA BAS in compliance with BDS EN ISO/IEC 17025:2018,
Accreditation certificate: BAS reg. No 86 ЛИ, Dated: 08.03.2021, Valid until: 29.01.2025.
EA BAS is a signatory to the EA MLA and ILAC MRA.
The scope of accreditation is published on the official web site of SGS Bulgaria Ltd www.sgs.bg

| | | | |
|-----------------------------|---|--------------------------------|-------------------------|
| Analyses ordered by: | ALIANS - DN OOD 17B, P. Evtimij blvd, 6000 Stara Zagora, Bulgaria | Date of sample receipt: | 25.02.2022 |
| | | Date of analysis: | 25.02.2022 - 07.04.2022 |

Type of sample: Consumer goods. Metal lug caps TO 66, 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; Tin: 2.8/2.8;
Surface:
-external: Gold external protective;
-internal:
1.) Corrosion resistant basecoat BPA Ni;
2.) Adhesive varnish BPA Ni;
Plastisol: PVC plastisol, on DOTP base, ESBO and phthalates free.
Suitable for: max Temp: 105 C/60'.

The sample is formed by the client.

| | | | |
|-------------------------|------------|----------------------------|---------|
| Package: | Plastic | Seal: | No seal |
| Package quality: | Unimpaired | Representative for: | - |
| Sampling report: | - | Sample temperature: | - |
| Sample weight: | - | | |

The sample is destroyed during analysis.

Migration tests

| Parameter | Unit | Test Result, Uncertainty | Method of Analyses | Test Conditions |
|--------------------------|--------------------|--------------------------|---------------------------|----------------------------------|
| Overall migration | | | BDS EN 1186-9:2002 | 10 days, 40°C, simulant A |
| Part 1 | mg/dm ² | 6.8 ± 0.7 | | - |
| Part 2 | mg/dm ² | 6.6 ± 0.7 | | - |
| Part 3 | mg/dm ² | 6.4 ± 0.6 | | - |
| Part 4 | mg/dm ² | 6.6 ± 0.7 | | - |
| Overall migration (mean) | mg/dm ² | 6.6 ± 0.7 | | - |

< Limit of quantification (LOQ)

* Limit of detection (LOD)

Sum of analytes are reported as lower-bound values, unless stated different.

The reported uncertainties are expanded by a coverage factor of k=2 to a level of confidence of approximately 95 %.

Original 1

Doc Number : VAR2200002475

Laboratory of SGS Bulgaria Ltd. Bulgarian Ship Hydrodynamics Centre;
1 William Froude Str.; 9003 Varna; Bulgaria

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Warning: If hereinabove in this document it is stated that the sample to which the findings recorded herein, relate was drawn and/or provided by the Client or by a third party acting at the Client's direction then the reported findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample. SGS accepts no liability with regard to the origin or source from which the sample is said to be extracted.
2. The test report shall not be reproduced except in full without written approval of the laboratory.
3. The tests are performed in the permanent premises of the laboratory in Varna.

Results validated by

Anna Tsaneva - Technical manager

VALIDATED, WORD_APPROVEDDATE

Administrative signature of

Veselka Pashova, Laboratory manager

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

----- End of Report -----

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TEST REPORT

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| | | | |
|-----------------------------|---|--------------------------------|-------------------------|
| Analyses ordered by: | ALIANS - DN OOD 17B, P. Evtimij blvd, 6000 Stara Zagora, Bulgaria | Date of sample receipt: | 07.04.2022 |
| | | Date of analysis: | 25.02.2022 - 07.04.2022 |

Type of sample: Consumer goods. Metal lug caps TO 66, 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; Tin: 2.8/2.8;
Surface:
-external: Gold external protective;
-internal:
1.) Corrosion resistant basecoat BPA Ni;
2.) Adhesive varnish BPA Ni;
Plastisol: PVC plastisol, on DOTP base, ESBO and phthalates free.
Suitable for: max Temp: 105 C/60'.

The sample is formed by the client.

| | | | |
|-------------------------|------------|----------------------------|---------|
| Package: | Plastic | Seal: | No Seal |
| Package quality: | Unimpaired | Representative for: | - |
| Sampling report: | - | Sample temperature: | - |
| Sample weight: | - | | |

The sample is destroyed during analysis.

Migration tests

| Parameter | Unit | Test Result, Uncertainty | Method of Analyses | Test Conditions |
|---------------------------|--------------------|--------------------------|--------------------------------|----------------------------------|
| Overall migration | | | BDS EN 1186-9:2002 | 10 days, 40°C, simulant B |
| Part 1 | mg/dm ² | 8.7 ± 0.9 | | - |
| Part 2 | mg/dm ² | 8.3 ± 0.8 | | - |
| Part 3 | mg/dm ² | 8.1 ± 0.8 | | - |
| Part 4 | mg/dm ² | 8.5 ± 0.9 | | - |
| Overall migration (mean) | mg/dm ² | 8.4 ± 0.8 | | - |
| Specific migration | | | СД CEN/TS 13130-13:2013 | 10 days, 40°C, simulant B |
| Bisphenol A | mg/kg | < 0.050 | | - |

< Limit of quantification (LOQ)

* Limit of detection (LOD)

Sum of analytes are reported as lower-bound values, unless stated different.

The reported uncertainties are expanded by a coverage factor of k=2 to a level of confidence of approximately 95 %.

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Results validated by

Anna Tsaneva - Technical manager

VALIDATED, WORD_APPROVEDDATE

Administrative signature of

Veselka Pashova, Laboratory manager

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| | | Date of analysis: | 25.02.2022 - 07.04.2022 |

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Sample description: 20pcs

The sample is identified by the client as: Parcel 2022;
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Surface:
-external: Gold external protective;
-internal:
1.) Corrosion resistant basecoat BPA Ni;
2.) Adhesive varnish BPA Ni;
Plastisol: PVC plastisol, on DOTP base, ESBO and phthalates free.
Suitable for: max Temp: 105 C/60'.

The sample is formed by the client.

| | | | |
|-------------------------|------------|----------------------------|---------|
| Package: | Plastic | Seal: | No Seal |
| Package quality: | Unimpaired | Representative for: | - |
| Sampling report: | - | Sample temperature: | - |
| Sample weight: | - | | |

The sample is destroyed during analysis.

Migration tests

| Parameter | Unit | Test Result, Uncertainty | Method of Analyses | Test Conditions |
|---------------------------|--------------------|--------------------------|--------------------------------|-----------------------------------|
| Overall migration | | | BDS EN 1186-9:2002 | 10 days, 40°C, simulant D1 |
| Part 1 | mg/dm ² | 11.5 ± 1.2 | | - |
| Part 2 | mg/dm ² | 11.1 ± 1.1 | | - |
| Part 3 | mg/dm ² | 10.9 ± 1.1 | | - |
| Part 4 | mg/dm ² | 11.3 ± 1.1 | | - |
| Overall migration (mean) | mg/dm ² | 11.2 ± 1.1 | | - |
| Specific migration | | | СД CEN/TS 13130-13:2013 | 10 days, 40°C, simulant D1 |
| Bisphenol A | mg/kg | < 0.050 | | - |

< Limit of quantification (LOQ)

* Limit of detection (LOD)

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Veselka Pashova, Laboratory manager

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