

## Rapport d'essais *Test report*

Rouen, le 25 janvier 2021  
CL20-03008 Révision 02  
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Produit / Product :

POLYURETHANE PAINT /

GLOMA\_FOOD

agreement of the estimate DC20-02210

revision 1

10/07/2020

DC20-02210 revision 1

Commande / Order :

Reçu le / Received :

Devis / Price offer :

**GLOMA - COMÉRCIO, INDÚSTRIA E  
REPRESENÇÕES  
DE PINTURAS ECOLOGICAS, LDA**  
Rua 10 de Junho, 36  
Lugar do Outeiro  
4485-010 AVELEDA VCD  
PORTUGAL



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| Tests ou conformité demandés<br><i>Tests requested / Standards</i>   | Conclusion<br><i>Conclusion</i> |
|--|---------------------------------|
| Conformité sur matériaux plastifiés selon Règlement 10/2011/CE (et modifs) + Fiche<br>DGCCRF matériaux organiques (matières synthétiques)<br><i>Compliance on plasticized materials according to the 10/2011/EC Regulation (and<br/>modifs) + French DGCCRF organic materials (synthetic matters) file</i> | Conforme<br><br><i>PASS</i>     |
| Aptitude au contact alimentaire : Règlement 1935/2004/CE art. 3, décret 2007/766 uniquement<br>pour les essais réalisés et sur les parties testées<br><i>Food contact compliance : 1935/2004/CE regulation art. 3, 2007/766 Decree only on items<br/>tested and for analysis performed</i>                 | Conforme<br><br><i>PASS</i>     |

Les Incertitudes de mesure ne sont pas prises en compte pour conclure sur la conformité des analyses sauf demande spécifique du client

Uncertainties are not taken into account to define compliance on analysis except on specific customer request

|   |        |  |
|---|--------|--|
| Christelle FRANCONVILLE<br>Expert Technique Chimie-Contact Alimentaire<br>Chemistry-Food contact Technical Expert | Tel. : |  |
|---|--------|--|

(\*) Test conducted in a SGS Laboratory. (\*\*) Test induces hosted in a partner laboratory outside SGS group.  
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# Rapport d'essais **Test report**

RAPPORT D'ESSAI / Test report

CL20-03008

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Révision 02

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Company name : GLOMA - COMÉRCIO,  
INDÚSTRIA E REPRESENTAÇÕES DE PINTURAS ECOLÓGICAS, LDA

NIF: 504732048

Address: Rua 10 de Junho, 36 - Lugar do Outeiro, 4485-010 AVELEDA VCD, Portugal

Début des essais / beginning of tests : 28-08-2020  
Fin des essais / end of tests : 08-09-2020

Ces essais ont été réalisés dans un des laboratoires du groupe SGS.  
Tests have been performed in another SGS laboratory.

Ratio followed for recalculated specific migrations: 0,6dm<sup>2</sup> / 100ml

## Migration spécifique : amines aromatiques primaires (1)

1st specific migration : primary aromatic amines (1)

selon EN13130-1 (1 essai 11 simulant) -  
DIN 55610 + Règl.10/2011/CE (modifs)  
-Annexe II

| CL20-03008.001   |                          |                             |  |
|--|--------------------------|-----------------------------|--|
| POLYURETHANE PAINT   |                          |                             |  |
| Simulant<br><i>Simulant</i>                                | Limites<br><i>Limits</i> | Résultats<br><i>Results</i> |  |
| Acide acétique   | 3%                       |                             |  |
| Durée de migration<br><i>Migration duration</i>            | 2h                       |                             |  |
| Température de migration<br><i>Migration temperature</i>   | 70 °C                    |                             |  |
| 1ère migration en AAP<br><i>1st specific PAA migration</i> | < 0,01 mg/kg             | <0,01 mg/kg                 |  |
| Conclusion<br><i>Conclusion</i>                            |                          | Conforme<br><i>Pass</i>     |  |

(1) Test effectué dans un laboratoire SGS. (2) Test effectué dans un laboratoire affilié à la famille SGS group.  
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## **Migration de 9 métaux dans les plastiques (1)** specific migration of 9 heavy metals on plastics (1)

selon EN13130-1 (1 essai/1 simulant)  
+Règlement 10/2011/CE (modif) -  
Annexe II (modifs)

| <b>CL20-03008.001</b>                                    |  |                              |             |
|--|--|------------------------------|-------------|
| <b>POLYURETHANE PAINT</b>                                |  |                              |             |
| <b>Limites<br/>Limits</b>                                |  | <b>Résultats<br/>Results</b> |             |
| Simulant<br><i>Simulant</i>                              |  | Acide acétique 3%            |             |
| Temps de migration<br><i>Migration time</i>              |  | 2h                           |             |
| Température de migration<br><i>Migration temperature</i> |  | 70 °C                        |             |
| Migration de l'aluminium<br><i>Aluminium migration</i>   |  | < 1 mg/kg                    | <0,25 mg/kg |
| Migration du baryum<br><i>Barium migration</i>           |  | < 1 mg/kg                    | <0,25 mg/kg |
| Migration du cobalt<br><i>Cobalt migration</i>           |  | < 0,05 mg/kg                 | <0,03 mg/kg |
| Migration du cuivre<br><i>Copper migration</i>           |  | < 5 mg/kg                    | <0,25 mg/kg |
| Migration du fer<br><i>iron migration</i>                |  | < 48 mg/kg                   | <5 mg/kg    |
| Migration du lithium<br><i>lithium migration</i>         |  | < 0,6 mg/kg                  | <0,5 mg/kg  |
| Migration du manganèse<br><i>manganèse migration</i>     |  | < 0,6 mg/kg                  | <0,25 mg/kg |
| Migration du Nickel<br><i>nickel migration</i>           |  | < 0,02 mg/kg                 | <0,02 mg/kg |
| Migration du zinc<br><i>zinc migration</i>               |  | < 5 mg/kg                    | <0,5 mg/kg  |
| Conclusion<br><i>Conclusion</i>                          |  | Conforme<br><i>Pass</i>      |             |

(1) Test authentifié à la SGS Laboratory. (2) Test authentifié à un autre laboratoire extérieur au Groupe SGS.  
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### Migrations globales successives : Acide acétique 3% (1)

*Overall successive migrations : 3% acetic acid (1)*

**Règlement 10/2011/CE (et modifs) - NF EN 1186**

|   |                                 |                                |  |
|---|---------------------------------|--------------------------------|--|
|   |                                 | <b>CL20-03008.001</b>          |  |
|   |                                 | <b>POLYURETHANE PAINT</b>      |  |
| <b>Limites<br/>Limits</b>                                       |                                 | <b>Résultats<br/>Results</b>   |  |
| <b>Méthode<br/>Method</b>                                       |                                 | <b>1186-3_Immersion (A)</b>    |  |
| <b>Durée de la Migration<br/>Migration time</b>                 |                                 | <b>2h (x3)</b>                 |  |
| <b>Température de Migration<br/>Migration Temperature</b>       |                                 | <b>70 °C</b>                   |  |
| <b>Résultat de 3ème migration<br/>Result from 3rd migration</b> | <b>&lt; 10mg/dm<sup>2</sup></b> | <b>&lt;3 mg/dm<sup>2</sup></b> |  |
| <b>Conclusion<br/>Conclusion</b>                                |                                 | <b>Conforme<br/>Pass</b>       |  |

### Migrations globales successives : Ethanol 10% (1)

*Overall successive migrations : 10% ethanol (1)*

**Règlement 10/2011/CE (et modifs) - NF EN 1186**

|   |                                 |                                |  |
|---|---------------------------------|--------------------------------|--|
|   |                                 | <b>CL20-03008.001</b>          |  |
|   |                                 | <b>POLYURETHANE PAINT</b>      |  |
| <b>Limites<br/>Limits</b>                                       |                                 | <b>Résultats<br/>Results</b>   |  |
| <b>Méthode<br/>Method</b>                                       |                                 | <b>1186-3_Immersion (A)</b>    |  |
| <b>Durée de la Migration<br/>Migration time</b>                 |                                 | <b>2h (x3)</b>                 |  |
| <b>Température de Migration<br/>Migration Temperature</b>       |                                 | <b>70 °C</b>                   |  |
| <b>Résultat de 3ème migration<br/>Result from 3rd migration</b> | <b>&lt; 10mg/dm<sup>2</sup></b> | <b>&lt;3 mg/dm<sup>2</sup></b> |  |
| <b>Conclusion<br/>Conclusion</b>                                |                                 | <b>Conforme<br/>Pass</b>       |  |

(1) Test effectué dans un laboratoire. (2) Test effectué dans un partenaire laboratoire affilié à SGS group.

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### Migrations globales successives : Ethanol 95% (1)

Successive overall migrations : 95% ethanol (1)

Règlement 10/2011/CE (et modifs) - NF  
EN 1186-14

|   |  |                               |                       |  |
|---|--|-------------------------------|-----------------------|--|
|   |  | CL20-03008.001                |                       |  |
|   |  | POLYURETHANE PAINT            |                       |  |
| Limites<br>Limits                                       |  | Résultats<br>Results          |                       |  |
| Méthode<br>Method                                       |  | 1186-14_Simulant substitution |                       |  |
| Durée de la Migration<br>Migration time                 |  | 2h (x3)                       |                       |  |
| Température de Migration<br>Migration Temperature       |  | 60 °C                         |                       |  |
| Coefficient de réduction<br>Reduction coefficient       |  | 1,0                           |                       |  |
| Résultat de 3ème migration<br>Result from 3rd migration |  | < 10mg/dm <sup>2</sup>        | <3 mg/dm <sup>2</sup> |  |
| Conclusion<br>Conclusion                                |  | Conforme<br>Pass              |                       |  |

### Migrations globales successives : Isooctane (1)

Successive overall migrations : Isooctane (1)

Règlement 10/2011/CE (et modifs) - NF  
EN 1186-14

|   |  |                               |                       |  |
|---|--|-------------------------------|-----------------------|--|
|   |  | CL20-03008.001                |                       |  |
|   |  | POLYURETHANE PAINT            |                       |  |
| Limites<br>Limits                                       |  | Résultats<br>Results          |                       |  |
| Méthode<br>Method                                       |  | 1186-14_Simulant substitution |                       |  |
| Durée de la Migration<br>Migration time                 |  | 0,5h (x3)                     |                       |  |
| Température de Migration<br>Migration Temperature       |  | 40 °C                         |                       |  |
| Coefficient de réduction<br>Reduction coefficient       |  | 1,0                           |                       |  |
| Résultat de 3ème migration<br>Result from 3rd migration |  | < 10mg/dm <sup>2</sup>        | <3 mg/dm <sup>2</sup> |  |
| Conclusion<br>Conclusion                                |  | Conforme<br>Pass              |                       |  |

(1) Test effectué dans un autre laboratoire. (2) Test déclaré basé sur un autre laboratoire faisant partie du groupe SGS.

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### NOTE 1 :

Notre conclusion "Conforme \*\*", quant aux tests de migration globale, tient compte des tolérances analytiques réglementaires telles,

Our "Pass \*\*" conclusion, about overall migration tests, takes into account the standardized analytical tolerances as,

10 mg/dm<sup>2</sup> avec une tolérance de 2 mg/dm<sup>2</sup> pour les simulants aqueux ou 3 mg/dm<sup>2</sup> pour les simulants gras

10 mg/dm<sup>2</sup> with 2 mg/dm<sup>2</sup> tolerance for aqueous simulants or 3 mg/dm<sup>2</sup> for fatty food simulants

60 mg/kg avec une tolérance de 12 mg/kg pour les simulants aqueux ou 20 mg/kg pour les simulants gras

60 mg/kg with 12 mg/kg tolerance for aqueous simulants or 20 mg/kg for fatty food simulants

### NOTE 2 :

L'aptitude au contact alimentaire est établie sous réserve du respect des listes de substances autorisées, à savoir leurs utilisations et leurs spécifications et/ou restrictions le cas échéant, par des réglementations Européennes existantes et celles nationales appliquées pour la fabrication des matériaux au contact.

Food contact compliance is declared subject to European and National authorised substances list respect, i.e. use and specifications and/or limitations for foodcontact materials manufacturing.

### Révisions / Revisions :

- 01 Revision 01 : SGS mention removed from Order line (in 1st page)
- 02 Revision 02 : from company name, and contact person removed

\*\*\* Fin du rapport \*\*\*

\*\*\* End of Report \*\*\*

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