

# Rapport d'essais *Test report*

Rouen, le 25 janvier 2021  
 CL20-03008 Révision 02  
 Page 1 sur 6

**Produit / Product :** POLYURETHANE PAINT /  
 GLOMA\_FOOD  
**Commande /Order :** agreement of the estimate DC20-02210  
 revision 1  
**Reçu le / Received :** 10/07/2020  
**Devis / Price offer :** DC20-02210 revision 1

**GLOMA - COMÉRCIO, INDÚSTRIA E  
 REPRESENTAÇÕES  
 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 DGCCRF matériaux organiques (matières synthétiques)<br><i>Compliance on plasticized materials according to the 10/2011/EC Regulation (and modifs) + French DGCCRF organic materials (synthetic matters) file</i> | Conforme<br><br>PASS            |
| Aptitude au contact alimentaire : Règlement 1935/2004/CE art. 3, décret 2007/766 uniquement 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 tested and for analysis performed</i>                 | Conforme<br><br>PASS            |

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><i>Chemistry-Food contact Technical Expert</i> | Tel. : |  |
|--|--------|--|

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Company name : GLOMA - COMÉRCIO,  
 INDÚSTRIA E REPRESENTAÇÕES DE PINTURAS ECOLÓGICAS, LDA  
 NIF: 504732048  
 Adress: 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 \1 simulant) -  
 DIN 55610 + Règl.10/2011/CE (modifs)  
 -Annexe II

|  |                                 |                                    |  |  |
|--|---------------------------------|------------------------------------|--|--|
|  |                                 | CL20-03008.001                     |  |  |
|  |                                 | POLYURETHANE<br>PAINT              |  |  |
|  | <b>Limites</b><br><i>Limits</i> | <b>Résultats</b><br><i>Results</i> |  |  |
| Simulant<br><i>Simulant</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>            |  |  |

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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)

|  |                          | CL20-03008.001              |  |  |
|--|--------------------------|-----------------------------|--|--|
|  |                          | POLYURETHANE PAINT          |  |  |
|  | Limites<br><i>Limits</i> | Résultats<br><i>Results</i> |  |  |
| 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>manganese 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>     |  |  |

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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

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

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

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

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

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

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

**Migrations globales successives : Isooctane (1)**  
*Successive overall migrations : Isooctane (1)*

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

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

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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 \*\*\*