

# DATA SHEET

41132404      ESM. EOSP-24 OPACO CAMEL POLVO

22/10/2024    v1.3

## 1. PRODUCT IDENTIFICATION

Description

BRIGHT OPAQUE CAMEL GLAZE. It belongs to the "EOSP" series, recommended for ceramicware.  
Compound of frit: CAS N°. 65997-18-4.

Application

The glaze can be applied by dipping, brush, screen printing or spray and can be used for decoration of white body or red clay. The firing recommended temperature varies from 980 °C to 1080°C. They can be used at higher temperatures obtaining the same or even other finishes, wich will depend on the body.

## 2. CHEMICAL COMPOSITION

Metal oxides with concentrations less than 0.05% have not been determined.

|                   |       |                                |       |                                |       |                                |               |
|-------------------|-------|--------------------------------|-------|--------------------------------|-------|--------------------------------|---------------|
| Li <sub>2</sub> O |       | ZnO                            | 1-5   | Cr <sub>2</sub> O <sub>3</sub> |       | CaF <sub>2</sub>               |               |
| Na <sub>2</sub> O | 1-5   | MnO                            |       | B <sub>2</sub> O <sub>3</sub>  | 10-20 | Bi <sub>2</sub> O <sub>3</sub> | Cr-Fe-Zn 5-10 |
| K <sub>2</sub> O  | 1-5   | CdO                            |       | V <sub>2</sub> O <sub>5</sub>  |       | P <sub>2</sub> O <sub>5</sub>  | LOI 0.5-1     |
| MgO               | 0-0.5 | CoO                            |       | MnO <sub>2</sub>               |       | BeO                            |               |
| CaO               | 5-10  | NiO                            |       | SiO <sub>2</sub>               | 40-80 | CeO <sub>2</sub>               |               |
| SrO               |       | Al <sub>2</sub> O <sub>3</sub> | 5-10  | TiO <sub>2</sub>               | 0-0.5 | CuO                            |               |
| BaO               | 0-0.5 | Fe <sub>2</sub> O <sub>3</sub> | 0-0.5 | ZrO <sub>2</sub>               | 5-10  | Pr <sub>2</sub> O <sub>3</sub> |               |
| PbO               |       | Sb <sub>2</sub> O <sub>3</sub> |       | SnO <sub>2</sub>               |       |                                |               |

## 3 PHYSICAL-CHEMICAL PROPERTIES

Aspect

Brown powder

Color(fired)

Bright camel

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

L: 55.0                      a: 13.8                      b: 14.0

## 5. DILATOMETRY

\* Data obtained with dilatometer BÄHR mod. DIL 801 L                      10<sup>-7</sup> C<sup>-1</sup>

|            |            |             |             |                               |                          |               |
|------------|------------|-------------|-------------|-------------------------------|--------------------------|---------------|
| (25-300)C° | (50-300)C° | (300-500)C° | (500-600)C° | T <sup>a</sup> Transformation | T <sup>a</sup> Softening | Melting point |
| 59.95      | 59.43      | 63.04       | 99.04       | 592 C°                        | 668 C°                   | >850 C°       |

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

\* Data obtained by Malvern Instruments (Master Sizer 2000)

|      |      |      |      |       |      |
|------|------|------|------|-------|------|
| >10µ | >25µ | >40µ | >70µ | >120µ | D50µ |
| 60   | 30   | 13   | 2    | 0     | 15.5 |

## 7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Formulated without lead and cadmium.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)



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