

# DATA SHEET

42008404      OX. C. P-324 BERENJENA POLVO

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## 1. PRODUCT IDENTIFICATION

Description      Inorganic Pigment. Cassiterite Cr-Sn. Maximun operating temperature 1200°C.

Application      This series of pure pigments can be used both for coloring glazes, as for onglaze/underglaze decoration. In the first case, the intensity of the color will depend on the components of the glaze, as well as the cycle and the firing temperature. In the second case,the pigment should be mixed with a flux: lead flux Decor-flux-5 or Flux No. 50 and lead-free in composition flux: Flux 20 or Glaze F-15. The percentages of addition range 30-60%.

## 2. CHEMICAL COMPOSITION

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

|                   |                                |                                |                                |       |        |
|-------------------|--------------------------------|--------------------------------|--------------------------------|-------|--------|
| Li <sub>2</sub> O | ZnO                            | Cr <sub>2</sub> O <sub>3</sub> | CaF <sub>2</sub>               | Cr-Sn | 80-100 |
| Na <sub>2</sub> O | MnO                            | B <sub>2</sub> O <sub>3</sub>  | Bi <sub>2</sub> O <sub>3</sub> |       |        |
| K <sub>2</sub> O  | CdO                            | V <sub>2</sub> O <sub>5</sub>  | P <sub>2</sub> O <sub>5</sub>  |       |        |
| MgO               | CoO                            | MnO <sub>2</sub>               | BeO                            |       |        |
| CaO               | NiO                            | SiO <sub>2</sub>               | CeO <sub>2</sub>               |       |        |
| SrO               | Al <sub>2</sub> O <sub>3</sub> | TiO <sub>2</sub>               | CuO                            |       |        |
| BaO               | Fe <sub>2</sub> O <sub>3</sub> | ZrO <sub>2</sub>               | 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      Purple  
Color(fired)      Purple powder

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

L: 37.22      a: 20.25      b: -11.79

## 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 |
|------------|------------|-------------|-------------|-------------------------------|--------------------------|---------------|
|            |            |             |             | C°                            | C°                       | Mis C°        |

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

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

>10µ    >25µ    >40µ    >70µ    >120µ    D50µ

## 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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