

# DATA SHEET

40505904      OX. C. P-314/4 ROJO CORAL POLVO

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## 1. PRODUCT IDENTIFICATION

Description      Inorganic pigment. Inclusion pigment, Cd(S,Se) en ZrSiO4. Maximun operating temperature 1300°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>	Cd(S,Se) en ZrSiO4	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      Red  
Color(fired)      Red powder.

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

L: 47.22      a: 50.71      b: 29.26

## 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 C°	T <sup>a</sup> Softening C°	Melting point
						> 1000 C°

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

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

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
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## 7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Contains inclusion cadmium pigment. To certify their food use, the final pieces must be submitted to lead migration test by an accredited laboratory.

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