

# DATA SHEET

41140504 ESM. ETSP-07 TRANSP ROJO SUAVE POLV

22/11/2024 v1.3

## 1. PRODUCT IDENTIFICATION

Description      TRANSPARENT LIGHT RED GLAZE. This is a very bright glaze recommended for ceramicware.  
Compound of frit: CAS N°. 65997-18-4.

Application      It can be applied: dipping, spraying, any mechanical application method. Glaze suitable for use on white, red and colored body. 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, which 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		Cr <sub>2</sub> O <sub>3</sub>		CaF <sub>2</sub>	
Na <sub>2</sub> O	5-10	MnO		B <sub>2</sub> O <sub>3</sub>	10-20	Bi <sub>2</sub> O <sub>3</sub>	Cd(S,Se) en ZrSiO <sub>4</sub> 1-5
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	1-5	CoO		MnO <sub>2</sub>		BeO	Zr-Pr-Si 0-0.5
CaO	5-10	NiO		SiO <sub>2</sub>	40-80	CeO <sub>2</sub>	
SrO		Al <sub>2</sub> O <sub>3</sub>	10-20	TiO <sub>2</sub>		CuO	
BaO	0.5-1	Fe <sub>2</sub> O <sub>3</sub>	0-0.5	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 powder  
Color(fired)      Light Red

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

L: 52.1      a: 46.8      b: 29.5

## 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
71.03	70.86	74.66	112.76	582 C°	706 C°	>850 C°

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

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

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
57.8	22.71	9.35	0.98	0	12.72

## 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)



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