DATA SHEET

41131704   ESM. EOSP-17 OPACO MAQUILLAJE POLVO   22/10/2024   v1.5

1. PRODUCT IDENTIFICATION

Description | BRIGHT OPAQUE BEIGE GLAZE. It belongs to the "EOSP" series, recommended for ceramicware. Compound of frit: CAS Nº. 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 1080ºC. 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_2O		ZnO	1-5	Cr_2O_3		CaF_2		
Na_2O	1-5	MnO		B_2O_3	10-20	Bi_2O_3	Cr-Ti-Sb	5-10
K_2O	1-5	CdO		V_2O_5		P_2O_5	LOI	0.5-1
MgO	0-0.5	CoO		MnO_2		BeO		
CaO	5-10	NiO		SiO_2	40-80	CeO_2		
SrO		Al_2O_3	5-10	TiO_2	0-0.5	CuO		
BaO	0-0.5	Fe_2O_3	0-0.5	ZrO_2	5-10	Pr_2O_3		
PbO		Sb_2O_3		SnO_2				

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect | Brown powder
Color(fired) | Bright beige

4. COLORIMETRY   * By Minolta ChromaControl (S)

L: **69.3**   a: **15.7**   b: **36.9**

5. DILATOMETRY * Data obtained with dilatometer BÄHR mod. DIL 801 L 10^{-7} C^{-1}

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	Tª Transformation	Tª 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)

PRODESCO S.L.