DATA SHEET

41110204 ENGOBE ENSP-04 ROJO POLVO 29/01/2025 v1.3

1. PRODUCT IDENTIFICATION

Description RED ENGOBE. It belongs to the "ENSP" series (COLOURED ENGOBE). Compound of frit: CAS Nº. 65997-18-4.

Application Can be used for decoration of white body or red bodies. The temperature range is from 930 to 1050 ° C, obtaining the maximum colour development at 980 ° C. They can be used at higher temperatures obtaining other finishes

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

Li_2O		ZnO		Cr_2O_3		CaF_2			
Na_2O	1-5	MnO		B_2O_3	5-10	Bi_2O_3		$Cd(S,Se)$ en $ZrSiO_4$	10-20
K_2O	1-5	CdO		V_2O_5		P_2O_5		MEDIUM	0-0.5
MgO	1-5	CoO		MnO_2		BeO		LOI	1-5
CaO	5-10	NiO		SiO_2	40-80	CeO_2			
SrO		Al_2O_3	5-10	TiO_2	0-0.5	CuO			
BaO	0.5-1	Fe_2O_3	0-0.5	ZrO_2		Pr_2O_3			
PbO		Sb_2O_3		SnO_2					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	Red powder
Color(fired)	Red

4. COLORIMETRY * By Minolta ChromaControl (S)

L: 48.87 a: 40.25 b: 21.23

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
50.4	49.3	64	98.4	538 Cº	885 Cº	>980 Cº

6. GRANULOMETRIC DISTRIBUTION (WET WAY) * Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
34.8	11.9	5.1	1.1	0	5.9

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)

PRODESCO S.L.

C/ Aviación 44, 46940 Manises, Valencia - España
+34961545588
admon@prodesco.es
www.prodesco.es