DATA SHEET

41112604 ENGOBE ENSP-27 LIMA S/PB POLVO 29/01/2025 v1.3

1. PRODUCT IDENTIFICATION

Description: LIME GREEN 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		MEDIUM	0-0.5
K_2O	1-5	CdO		V_2O_5		P_2O_5		LOI	1-5
MgO	0.5-1	CoO		MnO_2		BeO		Zr-Pr-Si	5-10
CaO	1-5	NiO		SiO_2	40-80	CeO_2		Zr-V-Pr-Si	5-10
SrO		Al_2O_3	10-20	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	Green powder
Color(fired)	Lime

4. COLORIMETRY * By Minolta ChromaControl (S)

L: 71.31 a: -10.25 b: 37.97

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

Formulated without lead and cadmium.

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

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