

DATA SHEET

22307104 ENGOBE EASP-03 YEMA POLVO

15/07/2024 v1.2

1. PRODUCT IDENTIFICATION

Description	DARK YELLOW ENGOBE FOR HIGH TEMPERATURE. High Temperature Engobes "EASP" series is a collection of coloured engobes designed for glaze and decorate pieces of stoneware or porcelain.
Application	They can be applied by brush, aerograph or dipping. If they are used in single firing it is advisable to add 5% of Monocol V for better grip engobe to the piece. The temperature range is from 980 to 1280 ° C, obtaining the maximum colour development at 1280 ° C.

2. CHEMICAL COMPOSITION

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

Li ₂ O	1-5	ZnO	Cr ₂ O ₃	CaF ₂	Cd(S.Se) en ZrSiO ₄	10-20
Na ₂ O		MnO	B ₂ O ₃	Bi ₂ O ₃		
K ₂ O	1-5	CdO	V ₂ O ₅	P ₂ O ₅	MEDIUM	0-0.5
MgO	0-0.5	CoO	MnO ₂	BeO	LOI	5-10
CaO	0-0.5	NiO	SiO ₂	CeO ₂	Zr-Pr-Si	1-5
SrO		Al ₂ O ₃	40-80	TiO ₂	0.5-1	
BaO		Fe ₂ O ₃	0.5-1	ZrO ₂		
PbO		Sb ₂ O ₃		SnO ₂		

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	Dark Yellow Powder
Color(fired)	Dark Yellow

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 63.7	a: 32.66	b: 35.76
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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
55.9	56	63.4	85.5	524 C°	883 C°	>900 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
41.9	17.53	8.5	2.1	0.01	7.6

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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