DATA SHEET

22307404 ENGOBE EASP-14 A. COBALTO POLVO 15/07/2024 v1.2

1. PRODUCT IDENTIFICATION

Description BLUE COBALT 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_2O		ZnO		Cr_2O_3		CaF_2		MEDIUM	0-0.5
Na_2O	1-5	MnO		B_2O_3		Bi_2O_3		LOI	5-10
K_2O	1-5	CdO		V_2O_5		P_2O_5		Pig.Ing	5-10
MgO	0-0.5	CoO		MnO_2		BeO			
CaO	0-0.5	NiO		SiO_2	40-80	CeO_2			
SrO		Al_2O_3	20-40	TiO_2	0.5-1	CuO			
BaO		Fe_2O_3	0.5-1	ZrO_2		Pr_2O_3			
PbO		Sb_2O_3		SnO_2					

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	Blue powder
Color(fired)	Blue cobalt

4. COLORIMETRY * By Minolta ChromaControl (S)

L: 32.37 a: -0.7 b: -12.7

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 Cº	883 Cº	>900 Cº

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

Formulated without lead and cadmium.

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