

DATA SHEET

20676504 ESMALTE GRES O-10541 AZUL COB. POLV

18/11/2025 v1.2

1. PRODUCT IDENTIFICATION

Description BLUE COBALT GLAZE. It belongs to high temperature glazes. Compound of frit: CAS N°. 65997-18-4.

Application They can be applied by brush, spraying or dipping in single- and double-fired. For one firing it's advisable the addition of Monocol V. Temperature range 1240°C - 1340°C, recommended temperature 1260°C. It is advisable to test at extreme temperatures.

2. CHEMICAL COMPOSITION

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

Li ₂ O	ZnO	Cr ₂ O ₃	CaF ₂		
Na ₂ O 1-5	MnO	B ₂ O ₃	Bi ₂ O ₃	Co-Fe-Cr	0.5-1
K ₂ O 1-5	CdO	V ₂ O ₅	P ₂ O ₅	Co-Si	1-5
MgO 0-0.5	CoO	MnO ₂	BeO	LOI	10-20
CaO 10-20	NiO	SiO ₂ 40-80	CeO ₂		
SrO	Al ₂ O ₃ 10-20	TiO ₂ 0-0.5	CuO		
BaO	Fe ₂ O ₃ 0-0.5	ZrO ₂	Pr ₂ O ₃		
PbO		SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Lilac powder
Color(fired) Coblat blue

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 25.9 a: 4.1 b: -9.7

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°	T ^a Transformation	T ^a Softening	Melting point
67.0	66.8	75.7	86.8	692.5 C°	792.0 C°	>1200 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
49.5	21.1	8.9	1.3	0.0	9.8

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

The provide data have been obtained under the specific conditions of the quality control process of PRODESCO S.L. being for informational purposes, not assuming any contractual relationship.