

# DATA SHEET

20649904 ESMALTE EFECTO AZUL N° 9 POLVO

07/10/2025 v1.3

## 1. PRODUCT IDENTIFICATION

Description EFFECT BLUE GLAZE.  
It belongs to the "GLITTER EFFECT" serie. Is a collection of bright glitter glazes  
Compound of frit: CAS N°. 65997-18-4.

Application The glaze can be applied by brush, screen printing or spray. They can be used for decoration of white, red body or over glaze. In all cases, the coat applied must be thin enough so that the glitter effect appears. The ratio of powder and water is approximately 500-800 ml of water per 100 gr of powder and 250 ml of Monocol V. It can be used in single and double firing. The firing temperature is 980 ° C.

## 2. CHEMICAL COMPOSITION

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

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

## 3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Blue powder  
Color(fired) Bright glitter Blue

## 4. COLORIMETRY

\* By Minolta ChromaControl (S)

L: 71 a: 2.8 b: 17.2

## 5. DILATOMETRY

\* Data obtained with dilatometer BÄHR mod. DIL 801 L 10<sup>-7</sup> C<sup>-1</sup>

(25-300)C°	(50-300)C°	(300-500)C°	(500-600)C°	Tª Transformation	Tª Softening	Melting point
				C°	C°	>800 C°

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY)

\* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
93.5	53.2	21.7	1.4	0	26.1

## 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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