

# DATA SHEET

41132204 ESM. EOSP-22 OPACO VERDE HIERBA POL

22/10/2024 v1.3

## 1. PRODUCT IDENTIFICATION

**Description** BRIGHT OPAQUE GRASS GREEN GLAZE. It belongs to the "EOSP" series, opaque glazes, formulated without lead in their composition. Compound of frit: CAS N°. 65997-18-4.

**Application** The glaze can be applied by dipping, brush, screen printing or spray and can be used for decoration of white body or red clay. This collection of glazes is suitable for use in single firing or double firing. When using these products in a single-firing process, it is advisable to add a 5% solution of Monocol V. The firing recommended temperature varies from 980 °C to 1080°C. However, they can be fired at higher temperatures to obtain the same or different finishes, depending on the type of clay used.

## 2. CHEMICAL COMPOSITION Los óxidos metálicos con concentraciones inferiores a 0,05% no han sido determinados.

Li <sub>2</sub> O	ZnO	1-5	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>	10-20	Bi <sub>2</sub> O <sub>3</sub>	LOI	0-0.5
K <sub>2</sub> O	1-5	CdO	V <sub>2</sub> O <sub>5</sub>	P <sub>2</sub> O <sub>5</sub>	Zr-V-Pr-Si	5-10	
MgO	0-0.5	CoO	MnO <sub>2</sub>	BeO			
CaO	5-10	NiO	SiO <sub>2</sub>	40-80	CeO <sub>2</sub>		
SrO		Al <sub>2</sub> O <sub>3</sub>	5-10	TiO <sub>2</sub>	0-0.5	CuO	
BaO	0-0.5	Fe <sub>2</sub> O <sub>3</sub>	0-0.5	ZrO <sub>2</sub>	5-10	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** Green powder  
**Color(fired)** Bright grass green

## 4. COLORIMETRY \* By Minolta ChromaControl (S)

L: 69.2 a: -20.4 b: 14.8

## 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°	T <sup>a</sup> Transformation	T <sup>a</sup> Softening	Melting point
59.95	59.43	63.04	99.04	592 C°	668 C°	>850 C°

## 6. GRANULOMETRIC DISTRIBUTION (WET WAY) \* Data obtained by Malvern Instruments (Master Sizer 2000)

>10µ	>25µ	>40µ	>70µ	>120µ	D50µ
60	30	13	2	0	15.5

## 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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