

DATA SHEET

42009004 'OX. C. P-130/N NARANJA POLVO

07/11/2025 v1.4

1. PRODUCT IDENTIFICATION

Description	Pigment Inorganic. Pyrochlore.Pb2Sb2O7. Maximun operating temperature 1100°C.
Application	This series of pure pigments can be used both for coloring glazes, as for onglaze/underglaze decoration. In the first case, the intensity of the color will depend on the components of the glaze, as well as the cycle and the firing temperature. In the second case,the pigment should be mixed with a flux: lead flux Decor-flux-5 or Flux No. 50 and lead-free in composition flux: Flux 20 or Glaze F-15. The percentages of addition range 30-60%.

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	Pb-Sb	80-100
Na ₂ O	MnO	B ₂ O ₃	Bi ₂ O ₃		
K ₂ O	CdO	V ₂ O ₅	P ₂ O ₅		
MgO	CoO	MnO ₂	BeO		
CaO	NiO	SiO ₂	CeO ₂		
SrO	Al ₂ O ₃	TiO ₂	CuO		
BaO	Fe ₂ O ₃	ZrO ₂	Pr ₂ O ₃		
PbO	Sb ₂ O ₃	SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect	Orange
Color(fired)	Orange powder.

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: 71.71	a: 21.16	b: 62.82
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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°	T ^a Transformation	T ^a Softening	Melting point
				C°	C°	>1000 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
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7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Not for ceramic ware in contact with food, use only for decoration purpose.

Notes: n.a (not applicable), n.d (no information available), p.n (negative tests)



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