

DATA SHEET

50135800 'OXIDO DE COBRE NEGRO "E"

07/08/2025 v1.3

1. PRODUCT IDENTIFICATION

Description Copper oxide. CuO.

Application Raw material in the ceramics industry.

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	LOI	2,1
Na ₂ O	MnO	B ₂ O ₃	Bi ₂ O ₃		
K ₂ O	CdO	V ₂ O ₅	P ₂ O ₅	97,9	
MgO	CoO	MnO ₂	BeO		
CaO	NiO	SiO ₂	CeO ₂	97,9	
SrO	Al ₂ O ₃	TiO ₂	CuO		
BaO	Fe ₂ O ₃	ZrO ₂	Pr ₂ O ₃	97,9	
PbO	Sb ₂ O ₃	SnO ₂			

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect **Black powder**
Color(fired)

4. COLORIMETRY

* By Minolta ChromaControl (S)

L: a: b:

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°	1326 C°

6. GRANULOMETRIC DISTRIBUTION (WET WAY)

* Data obtained by Malvern Instruments (Master Sizer 2000)

>10μ	>25μ	>40μ	>70μ	>120μ	D50μ
23.3	6.0	3.1	1.3	0	5.8

7. RECOMMENDATIONS ON GLAZED OBJECTS INTENDED FOR CULINARY USE

Raw material.

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

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