

DATA SHEET

50114900 OXIDO DE HIERRO ROJO NATURAL SF "C"

04/06/2026 v1.3

1. PRODUCT IDENTIFICATION

Description Iron Oxide Fe2O3

Application Raw material for 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	2,35
Na ₂ O	MnO	B ₂ O ₃	Bi ₂ O ₃		
K ₂ O	0,55	CdO	V ₂ O ₅	P ₂ O ₅	
MgO		CoO	MnO ₂	BeO	
CaO	0,79	NiO	SiO ₂	8,89	CeO ₂
SrO		Al ₂ O ₃	1,97	TiO ₂	CuO
BaO		Fe ₂ O ₃	85,44	ZrO ₂	Pr ₂ O ₃
PbO		Sb ₂ O ₃		SnO ₂	

3 PHYSICAL-CHEMICAL PROPERTIES

Aspect Red powder

Color(fired)

4. COLORIMETRY * By Minolta ChromaControl (S)

L: n.a. a: n.a. b: n.a.

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
68.0	37.7	16.7	1.3	0.0	18.5

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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