

Technical Data Sheet

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Commercial Name: FERROXIDE[®] 77

Manufacturer: Venator Pigments S.p.A.

General Description

Chemical Formula: Fe_3O_4
Type: Black Iron Oxide Pigment
Colour Index: Pigment Black 11 (77499)
CAS No.: 1317-61-9
EINECS No.: 215-277-5
Form: Powder

Technical Data - Specified Values

	<u>min.</u>	<u>max.</u>	<u>Test Method</u>
Colour Tolerance against current standard ⁽¹⁾ :			
ΔE^*		1.0	LO-21
Relative Tinting Strength (%)	95	105	LO-21
Water Soluble Salts ⁽²⁾ (%)		0.5	LO-05
Chloride Content (%)		0.1	LO-43
Sieve Residue on 44 μ Mesh (%)		0.1	LO-08
pH	6	10	LO-06

Technical Data - Typical Values

Fe ₂ O ₃ Content (%)	96+	LO-16
Particle Shape	Cubic	T.E.M. ⁽³⁾
Average Particle Size (μm)	0.09	T.E.M. ⁽³⁾
Specific Gravity (g/cm^3)	approx. 4.6	ISO DIN 787/10
Tamped Apparent Density (g/cm^3)	approx. 0.7	LO-10
Water Content ex. works (%)	≤ 1.0	LOG-25

Standard Packaging: 25 kg bags, 1000 kg Supersacks

Notes:
(1) White Cement
(2) Sulphates
(3) T.E.M. = Transmission electron microscopy
All data is given in good faith but without warranty. Ferrooxide 77 complies with EN 12878 (Category B). 0840-CPD-1014-090072-08