

Technical Data Sheet

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Page: 1 of 1

Commercial Name: FERROXIDE® 181

Manufacturer: Venator Pigments S.p.A.

General Description

Chemical Formula: Mix of Fe_2O_3 and Fe_3O_4
Type: Brown iron oxide pigment
Colour Index: Pigment Brown 6 (77491 and 77499)
CAS No.: 1309-37-1 and 1317-61-9
EINECS No.: 215-168-2 and 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^* Reduced Shade		1.0	LO-11
Relative Tinting Strength (%)	95	105	LO-11
Water Soluble Salts ⁽²⁾ (%)		0.5	LO-05
Chloride Content (%)		0.1	LO-43
Sieve Residue on 44 μ Mesh (%)		1.0	LO-08
pH	5	9	LO-06

Technical Data - Typical Values

Iron Oxide Content (%)	96+	LO-41
Particle Shape	Mix (spheroidal, cubic)	T.E.M. ⁽³⁾
Specific Gravity (g/cm^3)	approx. 4.8	ISO DIN 787/10
Tamped Apparent Density (g/cm^3)	0.7	LO-10
Water Content ex. works (%)	max. 1	LOG-25

Standard Packaging

25 Kg bags

Notes:

1. Grey Cement
 2. Sulphate
 3. T.E.M. = Transmission electron microscopy
- All data is given in good faith but without warranty. Ferrooxide 181 complies with EN 12878 (Category B). 0840-CPD-1014-090071-08

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