

48800 Magnetite

Technical Data Sheet

Type: Magnetite Fe₃O₄
 Delivery form: dark gray powder
 CAS No.: 1317-61-9

Typical Analysis:

	%		%		%		%
Fe _{tot}	71.3	CaO	0.04	S	0.030	As	< 0.0002
Fe ₂ O ₃	-	MgO	0.1	P	0.002	Sb	< 0.0002
Fe ₃ O ₄	98.5	MnO	0.2	Cu	0.0015	Bi	< 0.0002
SiO ₂	1.0	K ₂ O	0.02	Zn	0.010	Mo	< 0.0002
Al ₂ O ₃	0.2	Na ₂ O	0.02	Pb	< 0.0005	Ni	0.0050
TiO ₂	0.02			Cd	< 0.0005	Cr	< 0.001
H ₂ O	0.5 %						
Cl	< 8 ppm						

Specific Gravity (ISO 787/10): 5.2 g/cm³
 Tamped Density (ISO 787/11): 2.0 g/cm³
 Specific Surface: 2.08 m²/g

Particle Size Distribution:

(Sympatec Helos laser diffraction)

	Micron	Weight passing (cum-%)
	43.0	100.0
	36.0	99.9
	18.0	97.0
	10.5	92.0
	5.0	74.0
	1.0	18.0
d ₉₀	10.0	
d ₅₀ (median)	2.6	
d ₁₀	0.8	