

48806 Magnetite

Technical Data Sheet

Type: Magnetite Fe₃O₄
 Delivery form: black metallic powder, coarse
 CAS No: 1317-61-9

Specification:

	%		%		%		%
Fe _{tot}	71.7	CaO	0.1	S	0.02	Co	0.001
Fe ₂ O ₃	-	MgO	0.1	Ni	0.01	Cr	0.006
Fe ₃ O ₄	98.7	MnO	0.25	V	0.005	P	0.002
SiO ₂	0.3	K ₂ O	0.03			Cu	0.005
Al ₂ O ₃	0.2	Na ₂ O	0.02			Zn	0.010
TiO ₂	0.02					Pb	< 0.001
						Cd	< 0.001
H ₂ O	0.5 %						
Cl:	< 8 ppm						

Specific Gravity: 5.1 g/cm³
 Bulk Density: 2.5 g/cm³
 Tamped Density: 3.1 g/cm³

Particle Size Distribution:

(Sympatec Helos laser diffraction)

Micron	Weight passing (cum-%)
425	99.5
212	98.5
106	80.0
75	63.0
45	41.0