

Magnetite

Synthetic Superfine

FE3O4M1 is a high purity, synthetic magnetite – Iron Oxide generally used as a mineral black pigment.

Product Name: Magnetite, Synthetic

CAS No.: 1317-61-9

EC No.: 215-277-5

HS Code: 28211000

Appearance: Black Powder (CI 77499)

INCI Name: CI 77499

Other names: Black Iron Oxide, Iron Oxides, Magnetite, Pigment Black 11, Pigment Brown 6, Pigment Brown 7

TYPICAL PHYSICAL PROPERTIES

Apparent Density	0.7 to 0.85 g/cm ³
Specific Gravity	5.23 g/cm ³

PARTICLE SIZE

D50	2 Micron
D90	4 Micron

TYPICAL CHEMICAL ANALYSIS

Magnetite	Fe ₃ O ₄	>98%
Hematite	Fe ₂ O ₃	0.0 – 1.0%
Wuestite	FeO	0.0 – 0.5%
Trace Elements		0.2 – 1.0%
Cl		< 1000 ppm
Si		< 400 ppm
Ca		< 150 ppm
Na		< 50 ppm

PACKAGING AND SHELF LIFE

FE3O4M1 is available in 55-lb (25 kg) PP bags, 10-lb plastic pails, and 2-lb jars. The recommended shelf life of FE3P4M1 in sealed original containers is 6 years while stored in low light, dry, room temperature storage.