



Product Information

PIROX 200

Description

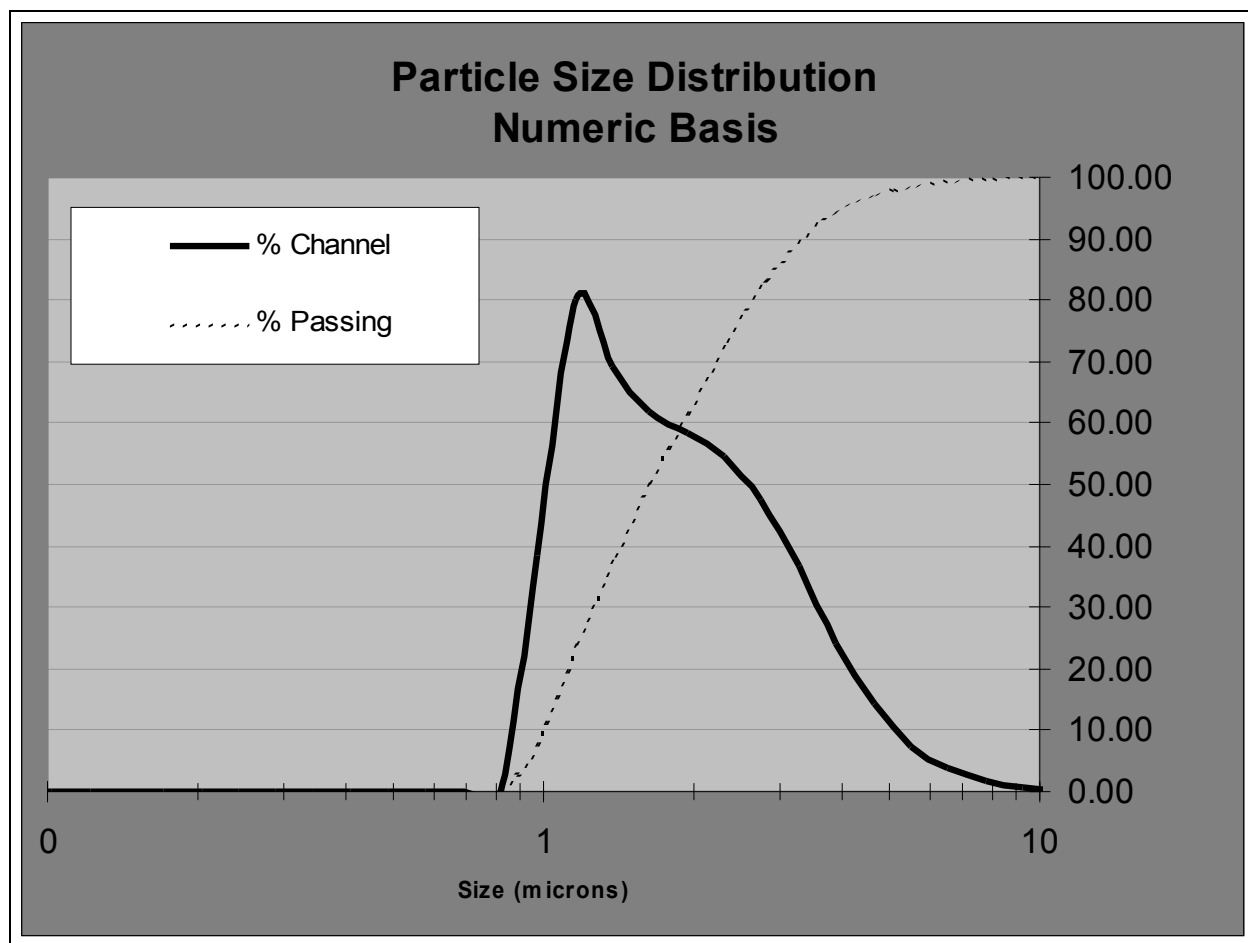
Type:	High Purity Synthetic Magnetite
Form:	Powder
Chemical Class:	Synthetic Iron Oxide – Magnetite – Fe ₃ O ₄
CAS-Number:	1317-61-9

Chemical Composition

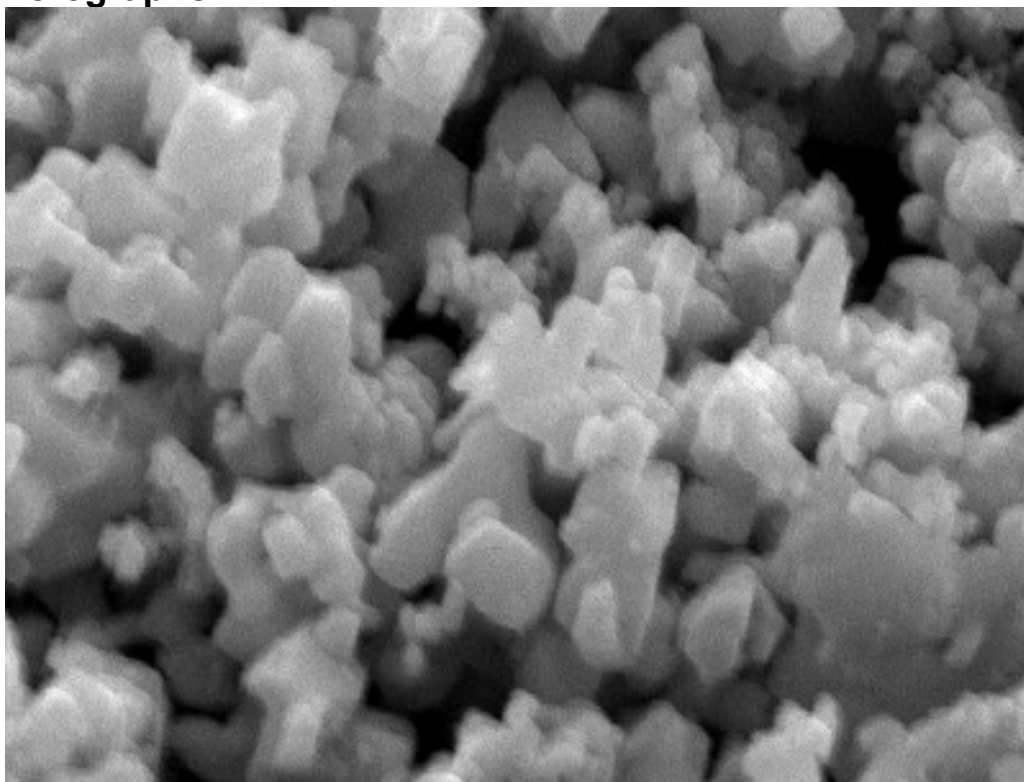
	Typical	Spec
Magnetite (Fe ₃ O ₄)	>99%	>98%
Hematite (Fe ₂ O ₃)	0.5%	0.0 – 1.0%
Wuestite (FeO)	0.0%	0.0 – 0.5%
Trace Elements	0.6%	0.2 – 1.0%
Cl	750 ppm	<1000 ppm
S	<10 ppm	
C	300 ppm	
Mn	2500 ppm	
Cr	700 ppm	
Ti	600 ppm	
Mg	450 ppm	
Si	350 ppm	<400 ppm
Ca	150 ppm	<600 ppm
Zr	50 ppm	
Na	50 ppm	<300 ppm
P	50 ppm	
K	<10 ppm	
Al	<10 ppm	<600 ppm
As		
Pb		
Ag		
Hg		
Se		
Cr		
Ba		
Cd		

Physical Properties

	Typical	Spec
Bulk Density	46 lbs/ft ³	
Tap Density	63 lbs/ft ³	
Specific Gravity	5.23 g/cm ³	
Specific Surface Area	3.0 m ² /g	
Numeric Particle Size		
d50	2.0 μ m	
d90	4.0 μ m	
Magnetic Saturation	90 emu/g	>88 emu/g
Magnetic Remnance	5 emu/g	
Magnetic Coercivity	40 Oe	

Particle Size Distribution

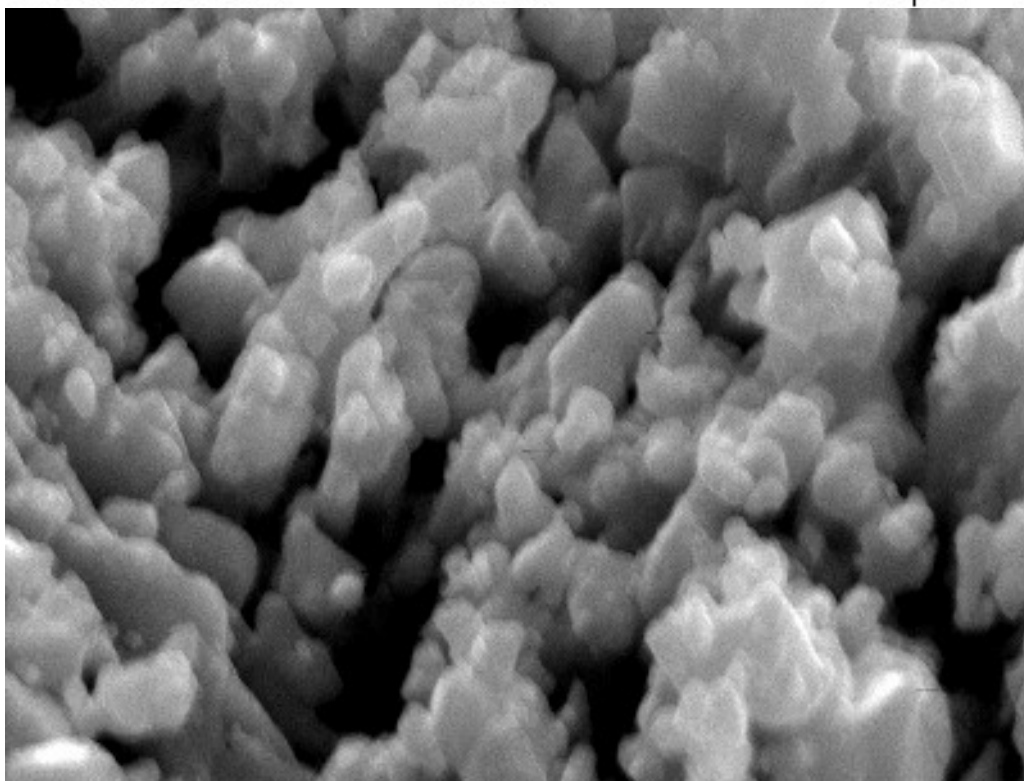
SEM Micrographs



PIROX 200 Lot #44

10000X

— 2 μ m —



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10000X

— 2 μ m —