



# Product Data

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## Dragonite-IO: Goethite

CAS: 1310-14-1

### Description

Dragonite-IO: Goethite is an inorganic iron oxide mined from the Dragon Mine. The raw ore is micronized to eliminate agglomerates for ease of dispersion. Visual and spectrophotometer tests are conducted on each lot to maximize consistency and quality. Dragonite-IO: Goethite is manufactured for use in a wide variety of pigment (brown, yellow, orange and ochre) as well as technical applications such as purification and environmental remediation. It meets ASTM D3722 standards for pigments suitable for use in paints, coatings, and many other applications. All Applied Minerals iron oxides are processed under strict QC for reliable and consistent quality. Dragonite-IO: Goethite is packaged in XX and XX lb fiber drums as well as 2,000 lb super sacks.

### Composition/Typical Properties

Fe <sub>2</sub> O <sub>3</sub> content	75-80	Mean Particle Size d50 (μ)	10
		BET Surface Area(m <sup>2</sup> /g)	25
Oil Absorption (g/100g)	?	CAS No.	1310-14-1
Weight per Gallon (lbs)	?	Heat Stability (C°/F°)	?
One Pound Bulks	?	325 Mesh retention (%)	0.8%
Specific Gravity (g/cm <sup>3</sup> )	?	Physical Form	(micronized brown powder)
Tap Density (g/ml)	?	Lightfastness	Permanent
Water Soluble Salts (%)	?	Chemical Resistance	Excellent
Ignition Loss (%)	11.8%		
Moisture & Volatile (%)	0.5%		
pH	8		
Hegman Grind (typical)	?		
Particle Shape	?		

### Typical Trace Metal Content in Parts per Million (ppm)

Arsenic (As)	0.6-271.7, avg = 33.3
Cadmium (Cd)	<0.5
Chromium (Cr)	0-5.16, avg = 1.45
Chromium VI	<0.04
Nickel (Ni)	0.84-65.1, avg = 18.2
Lead (Pb)	0.83-17.9, avg = 5.4
Mercury (Hg)	<0.004
Thalium (Tl)	<0.8

*Disclaimer: The information in this Typical Analysis does not constitute any representation, condition or warranty, nor do we guarantee results to be obtained.*