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Material Technical Data Sheet

General Information:

Version Date:2010-05-28

Product Name:	Iron Oxide Red 160		
Chemical Formula:	α-Fe2O3	Туре:	Red Pigment
Color Index:	Pigment Red 101 (77491)	Delivery Form:	Powder
CAS No.:	1309-37-1	EINECS No.:	215-168-2

Technical Specification:

Particle Shape Spherical Electron Micrographs Standard Package 25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized. Transportation and Storage Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.						
Tink Tone ∆ EabLImage: Additional and the formation of the parameter of the param	Color Value&Tinting Strength	Unit	Specification	Test Method		
Relative tinting strength%97 ~ 103ISO787-16Technical DataUnitSpecificationTest MethodFe2O3 Content% \geq 96.0ISO1248Matter Volatile at 105°C% \leq 1.0ISO787-2Water Soluble Salts% \leq 0.3ISO787-3Residue on 45µm Mesh% \leq 0.1ISO787-7PH Value4.5 ~ 8.0ISO787-9Oil Absorptiong/100g15 ~ 25ISO787-10Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeµm0.40Electron MicrographsStandard Package25kg/bag , 50lb/bag , 1000kgs/bag base on starder fine palletized.Protect against weathering. Store in a dry place and contamination.Transportation and StorageSpecial conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.Store of moisture and contamination.	Mass Tone ∆ EabL		≤ 1.0	ISO787-1		
Technical DataUnitSpecificationTest MethodFe2O3 Content%≥ 96.0ISO1248Matter Volatile at 105°C%≤ 1.0ISO787-2Water Soluble Salts%≤ 0.3ISO787-3Residue on 45µm Mesh%≤ 0.1ISO787-7PH Value4.5 ~ 8.0ISO787-9Oil Absorptiong/100g15 ~ 25ISO787-5Densityg/cm35.05ISO787-10Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeµm0.40Electron MicrographsStandard Package25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and store fluctuations in temperature. Special conditions for openet packaging: Close bags after use to prevent the absorption of moisture and contamination.	Tint Tone ∆ EabL		≤ 0.8	ISO787-16		
Fe2O3 Content%≥ 96.0ISO1248Matter Volatile at 105°C%≤ 1.0ISO787-2Water Soluble Salts%≤ 0.3ISO787-3Residue on 45µm Mesh%≤ 0.1ISO787-7PH Value4.5 ~ 8.0ISO787-9Oil Absorptiong/100g15 ~ 25ISO787-5Densityg/cm35.05ISO787-10Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeµm0.40Electron MicrographsStandard Package25kg/bag, 50lb/bag, 1000kgs/bag base on stard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Relative tinting strength	%	97 ~ 103	ISO787-16		
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Water Soluble Salts% ≤ 0.3 ISO787-3Residue on 45µm Mesh% ≤ 0.1 ISO787-7PH Value $4.5 \sim 8.0$ ISO787-9Oil Absorptiong/100g $15 \sim 25$ ISO787-5Densityg/cm3 5.05 ISO787-10Tamped Densityg/cm3 1.10 ISO787-11Predominant Particle Sizeµm 0.40 Electron MicrographsStandard Package $25kg/bag$, $50lb/bag$, $1000kgs/bag base on standard fine palletized.Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature.Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.$	Fe2O3 Content	%	≥ 96.0	ISO1248		
Residue on 45µm Mesh% ≤ 0.1 ISO787-7PH Value $4.5 \sim 8.0$ ISO787-9Oil Absorptiong/100g $15 \sim 25$ ISO787-5Densityg/cm3 5.05 ISO787-10Tamped Densityg/cm3 1.10 ISO787-11Predominant Particle Sizeµm 0.40 Electron MicrographsParticle ShapeSphericalElectron MicrographsStandard Package $25kg/bag$, $50lb/bag$, $1000kgs/bag$ base on standard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Matter Volatile at 105℃	%	≤ 1.0	ISO787-2		
PH Value4.5 ~ 8.0ISO787-9Oil Absorptiong/100g15 ~ 25ISO787-5Densityg/cm35.05ISO787-10Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeμm0.40Electron MicrographsParticle ShapeSphericalElectron MicrographsStandard Package25kg/bag , 50lb/bag , 1000kgs/bag base on stard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Water Soluble Salts	%	≤ 0.3	ISO787-3		
Oil Absorptiong/100g15 ~ 25ISO787-5Densityg/cm35.05ISO787-10Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeµm0.40Electron MicrographsParticle ShapeSphericalElectron MicrographsStandard Package25kg/bag, 50lb/bag, 1000kgs/bag base on standard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Residue on 45µm Mesh	%	≤ 0.1	ISO787-7		
Densityg/cm35.05ISO787-10Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeμm0.40Electron MicrographsParticle ShapeSphericalElectron MicrographsStandard Package25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for open-d packaging: Close bags after use to prevent the absorption of moisture and contamination.	PH Value		4.5 ~ 8.0	ISO787-9		
Tamped Densityg/cm31.10ISO787-11Predominant Particle Sizeμm0.40Electron MicrographsParticle ShapeSphericalElectron MicrographsStandard Package25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Oil Absorption	g/100g	15 ~ 25	ISO787-5		
Predominant Particle Sizeμm0.40Electron MicrographsParticle ShapeSphericalElectron MicrographsStandard Package25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized.Transportation and StorageProtect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Density	g/cm3	5.05	ISO787-10		
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Transportation and Storage in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.	Standard Package	25kg/bag , 50lb/bag , 1000kgs/bag base on standard fine palletized.				
Safety The product is not classified as hazardous under EC1907/2006 & EC1272/2008	Transportation and Storage	in temperature. Special conditions for opened packaging: Close bags after use to prevent the				
	Safety	The product is not classified as hazardous under EC1907/2006 & EC1272/2008.				

The information presented in this brochure is given in good faith and is accurate to the best knowledge of GREEFIELD. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee. We make no implied warranty of merchantability, or fitness for a particular purpose. The uer has an obligation to test the products to confirm their suitability for the intended use.

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