

TECHNICAL DATA SHEET

Trade Name	Iron Oxide Red			
Type	Red R03			
Chemical Formula	$\text{Fe}_2\text{O}_3 \cdot \alpha\text{H}_2\text{O}$			
Delivery Form	Powder			
Colour Index	Pigment Red 101 (77491)			
Cas No./Ec No.	1309-37-1/215-168-2			
Specification	Contents ($\text{Fe}_2\text{O}_3 \cdot \alpha\text{H}_2\text{O}$)	%	≥ 96	ISO1248
	Oil Absorption	ml / 100g	18~26	ISO787-5
	Res. On 325#	%	≤ 0.3	ISO787-5
	Water Soluble Salts	%	≤ 0.4	ISO787-5
	Moisture	%	≤ 1.0	ISO787-2
	pH VALUE		3 ~ 6	ISO787-9
	Loss On Ignition (1000 ⁰ c, 30 Min)	%	≤ 1.0	DIN 55913
	Bulk Density	g /cm ³	0.7 ~ 1.1	ISO787-11
	Specific Gravity	g /cm ³	4.8 ~ 5.0	ISO787-10
	Tinting Strength (Compared With Standard)	%	95 ~ 105	ISO787-21
	Color Difference ΔE (Compared With Standard)		≤ 0.8	ISO787-1
Packing Style	In 25 Kg Paper Bag			
Transport & Storage	Protect Against Weathering / Store In Dry Place, Temperature Of Above 80 ⁰ c Must Be Avoided			
Safety	The Product Is Not Classified As Hazardous Under EC 1907/2006 & EC 1272/2008			