



TECHNICAL DATA

Edition of: 2018-01-01

Trade name	Iron oxide red			
Type	180			
REACH	Registration No. 01-2119457614-35-0043			
Chemical class	Diiron trioxide (α -Fe ₂ O ₃)			
Delivery form	Powder			
Colour index	Pigment red 101 (77491)			
CAS No./EC No.	1309-37-1 / 215-168-2			
Specifications	Contents (Fe ₂ O ₃)	%	≥96	ISO1248
	Oil absorption	g/100g	15~25	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble matter	%	≤0.3	ISO787-3
	Moisture	%	≤1.0	ISO787-2
	pH value		3~7	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤4.0	DIN55913
	Bulk density	g/cm ³	0.7~1.1	ISO787-11
	Specific gravity	g/cm ³	5.0	ISO787-10
	Predominant particle size	µm	0.7	SEM
	Dispersibility (Hegman)	µm	20/25/30	ISO787-20
	Tinting Strength (Compared with Standard)	%	95~105	ISO787-24
	Color Difference ΔE (Compared with Standard)		≤1.0	ISO787-1
	Sales packing	In 25kg paper bag/1000kg bulk bag then palletized		
Transport & Storage	Protect against weathering, store in a dry place.			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			