

HANGZHOU HANHAO CHEMICAL CO., LTD

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TECHNICAL DATA SHEET

Product Description:

Trade Name:	Iron Oxide Red
Type:	HH140
C.I.No.	Pigment Red 101(77491)
CAS No.	1309-37-1
EC No.	215-168-2
Chemical Nature:	Diiron trioxide
Chemical Formula	$\text{Fe}_2\text{O}_3 \cdot \alpha \text{H}_2\text{O}$

Physical Data:

Specifications	Contents ($\text{Fe}_2\text{O}_3 \cdot \alpha \text{H}_2\text{O}$)	%	≥95	ISO1248
	Oil absorption	ml/100g	15~25	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble salts	%	≤0.3	ISO787-3
	Moisture	%	≤1.0	ISO787-2
	pH value		4~7	ISO787-9
	Ignition loss (1,000o C, ½ h)	%	≤1.0	DIN55913
	Bulk density	g/cm3	0.7~1.1	ISO787-11
	Specific gravity	g/cm3	5.0	ISO787-10
	Particle size BET	μ m	0.30	Electron Micrographs
	Dispersibility (Hegman)	μ m	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			

Note: The above information is provided as guidelines for your reference only.
The accurate effects should base on the test results in laboratory.