

HIGHTECH(PIGMENTS) INDUSTRIES CO., LTD

TECHNICAL DATA

Version: 2019 09

Trade name	Iron oxide red			
Type	P130			
Chemical name	Diiron trioxide ($\text{Fe}_2\text{O}_3 \cdot n\text{H}_2\text{O}$)			
Delivery form	Powder			
Colour index	Pigment red 101 (77491)			
CAS No./EC No.	1309-37-1/215-168-2			
Specifications	Contents ($\text{Fe}_2\text{O}_3 \cdot n\text{H}_2\text{O}$)	%	≥ 96	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	ISO787-2
	PH value		3-7	ISO787-9
	Ignition loss (1,000°C, 1/2h)	%	≤ 1	DIN55913
	Bulk density	g/m^3	0.7-1.1	ISO787-11
	Specific gravity	g/m^3	5.0	ISO787-10
	Particle size BET	um	0.1	Electron Micrographs
	Dispersibility (Hegman)	um	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			

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