

HIGHTECH INDUSTRIES CO., LTD

TECHNICAL DATA

Version: 2019 09

Trade name	Iron Oxide Orange			
Type	960			
Chemical name	Synthetic Iron Oxide Orange			
Delivery form	Powder			
Colour index	Combination of Pigment red 101, Yellow 42			
CAS No./EC No.	1309-37-1, 20344-49-4 / 215-168-2, 243-746-4			
Specifications	Contents (Fe ₂ O ₃ ·nH ₂ O)	%	≥88	ISO1248:2015
	Oil absorption	ml/100g	23-35	ISO787-5
	Res. on 325 mesh	%	≤0.3	ISO787-7
	Water soluble salts	%	≤0.3	ISO787-3
	Moisture	%	≤1.0	ISO787-2
	PH value		3.5-7	ISO787-9
	Ignition loss (1,000°C, 1/2h)	%		DIN55913
	Bulk density	g/m ³	0.4-0.6	ISO787-11
	Specific gravity	g/m ³	4.5	ISO787-10
	Particle size BET	um	Irregular	Electron Micrographs
	Dispersibility (Hegman)	um		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/700kg 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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