

**QINGDAO SANHUAN COLORCHEM CO., LTD.**

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**TECHNICAL DATA SHEET**

Trade name	Iron oxide black			
Type	318			
Color	Black			
Chemical name	Triiron tetraoxide (Fe <sub>3</sub> O <sub>4</sub> )			
Delivery form	Powder			
Colour index	Pigment black 11 (77499)			
CAS No./EC No.	1317-61-9/215-277-5			
Specifications	Contents (Fe <sub>3</sub> O <sub>4</sub> )	%	≥90	ISO1248
	Oil absorption	ml/100g	15~25	ISO787-5
	Res. on 325 mesh	%	≤0.5	ISO787-7
	Water soluble salts	%	≤0.5	ISO787-3
	Moisture	%	≤1.5	ISO787-2
	pH value		5~8	ISO787-9
	Ignition loss (1,000°C, ½ h)	%	≤5.0	DIN55913
	Bulk density	g/cm <sup>3</sup>	0.8~1.2	ISO787-11
	Specific gravity	g/cm <sup>3</sup>	4.6	ISO787-10
	Particle size BET	µm	0.15	Electron Micrographs
	Dispersibility (Hegman)	µm	20/30/40	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, temperatures of above 80 °C must be avoided			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			