

TECHINICAL DATA SHEET

Trade name	Iron oxide yellow			
Type	313			
Chemical name	iron hydroxide oxide(α -FeOOH)			
Color index	Pigment yellow 42			
CAS NO./EC NO.	20344-49-4/243-746-4			
Specification	Contents(α -FeOOH)	%	≥ 86	ISO 1248
	Oil absorption	ml/100g	25~35	ISO 787-5
	Res. on 325 mesh	%	≤ 0.3	ISO 787-7
	Water soluble salts	%	≤ 0.3	ISO 787-3
	Moisture	%	≤ 1.0	ISO 787-2
	PH value		3.5~7	ISO 787-9
	Ignition loss(1000°C, 1/2h)	%	≤ 14	DIN 55913
	Bulk density	g/cm ³	0.4~0.6	ISO 787-11
	Specific gravity	g/cm ³	4.1	ISO 787-10
	Particle size BET	μ m	0.1*0.6	Electron Micrographs
	Tinting Strength (Compared with standard)	%	95~105	ISO 787-24
	Color Difference ΔE (Compared with standard)		≤ 1.0	ISO 787-1
	Particle shape		Acicular	
Sales packing	In 25 kg paper bag/1000kg bulk bag then palletized, etc.			
Transport & Storage	Protect against weathering/Store in dry places.			
Safety	The product is not classified as hazardous under EC 1907/2006 & EC 1272/2008			