

**TECHNICAL DATA SHEET**

Trade Name	Iron Oxide Yellow			
Type	818			
Chemical Formula	$\alpha - \text{FeOOH}$			
Delivery Form	Powder			
Colour Index	Pigment Yellow 42 (77492)			
Cas No./Ec No.	51274-00-1/257-098-5			
Specification	Contents $\alpha - \text{FeOOH}$	%	$\geq 80$	ISO1248
	Oil Absorption	ml / 100g	35 ~ 40	ISO787-5
	Res. On 325#	%	$\leq 0.5$	ISO787-5
	Water Soluble Salts	%	$\leq 0.50$	ISO787-5
	Moisture	%	$\leq 1.2$	ISO787-2
	pH VALUE		3 ~ 6	ISO787-9
	Loss On Ignition (1000 <sup>0</sup> c, 30 Min)	%	$\leq 12$	DIN 55913
	Bulk Density	g /cm <sup>3</sup>	0.35 ~ 0.5	ISO787-11
	Specific Gravity	g /cm <sup>3</sup>	3.8 ~ 4.0	ISO787-10
	Tinting Strength (Compared With Standard)	%	95 ~ 105	ISO787-21
	Color Difference $\Delta E$ (Compared With Standard)		$\leq 0.8$	ISO787-1
Packing Style	In 25 Kg Paper Bag			
Transport & Storage	Protect Against Weathering / Store In Dry Place, Temperature Of Above 80 <sup>0</sup> c Must Be Avoided			
Safety	The Product Is Not Classified As Hazardous Under EC 1907/2006 & EC 1272/2008			