

TECHNICAL DATA SHEET

Iron Oxide Yellow T313

Edition of	2012-12-11
Type	Yellow Pigment
Molecular formula	Fe ₂ O ₃ . H ₂ O
Molecular weight	177.71
Delivery Form	Powder
Chemical Class	Synthetic Iron Oxide
Color Index	Pigment Yellow 42(77492)
CAS No.	20344-49-4
Use ReCommedation	Coatings

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Binder	Test Paste Based On R-05		
Full Shade			No.001, 2001-01-01
ΔL*	-0.6	0.6	
Δa*	-0.6	0.6	
Δb*	-0.6	0.6	
ΔE*ab		0.8	

TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Fe ₂ O ₃	86		DIN 55913-2
Water soluble substances [%]		0.5	DIN ISO 787-3
Moisture at 105°C [%]		1.0	DIN ISO 787-2
Oil absorption approx [%]		35	DIN ISO 787-5
Sieve residue on 0.045mm mesh [%]		0.1	DIN 53195
Color compared with standard	Similar-a little		DIN 6174
ΔE		0.8	DIN 6174
PH Value	3.5	7.5	DIN ISO 787-9
Loss on Heating 1000°C 1/2h		14.0	DIN 55913-2
Density		4.0	DIN ISO 787-10
Tamped Density		0.6	DIN ISO 787-11

STANDARD PACKAGING 20kg/bag