

TECHNICAL DATA SHEET

Iron Oxide Red TG180

Edition of	2012-12-11
Type	Granular Red Pigment
Molecular formula	Fe ₂ O ₃
Molecular weight	159.69
Delivery Form	Granular
Chemical Class	Synthetic Iron Oxide alpha – Fe ₂ O ₃
Color Index	Pigment Red 101 (77491)
CAS No.	1309-37-1
Use ReCommedation	Coatings

COLOR VALUES AND TINTING STRENGTH

Reference	Standard: DIN 6174		
	Min	Max	Test Method
Binder	Test Paste Based On R-05		
Full Shade			No.001, 2001-01-01
ΔL*	-0.7	0.7	
Δa*	-0.7	0.7	
Δb*	-0.7	0.7	
ΔE*ab		1.0	

TECHNICAL DATA

	Min	Max	Test Method
Fe ₂ O ₃	90		DIN 55913-2
Water soluble substances [%]		4.0	DIN ISO 787-3
Moisture at 105°C [%]		1.0	DIN ISO 787-2
SiO ₂ + Al ₂ O ₃ Content [%]		0.6	DIN 55913
Oil absorption approx [%]		25	DIN ISO 787-5
Sieve residue on 0.045mm mesh [%]		0.5	DIN 53195
Color compared with standard	95	105	DIN 6174
ΔE		1.0	DIN 6174
PH Value	4.0	7.0	DIN ISO 787-9
Loss on Heating 1000°C 1/2h		5.0	DIN 55913-2
Density		5.0	DIN ISO 787-10
Tamped Density		1.0	DIN ISO 787-11
Granular size: 0.3 mm – 0.6 mm/ 0.6 mm – 1.0 m.	80.0		

TER QINGDAO INDUSTRY



STANDARD PACKAGING 25kg/bag

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