

## TECHNICAL DATA SHEET

### Iron Oxide Red TG140

<b>Edition of</b>	2012-12-11
<b>Type</b>	Granular Red Pigment
<b>Molecular formula</b>	Fe <sub>2</sub> O <sub>3</sub>
<b>Molecular weight</b>	159.69
<b>Delivery Form</b>	Granular
<b>Chemical Class</b>	Synthetic Iron Oxide alpha – Fe <sub>2</sub> O <sub>3</sub>
<b>Color Index</b>	Pigment Red 101 (77491)
<b>CAS No.</b>	1309-37-1
<b>Use ReCommedation</b>	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*	-0.7	0.7	
Δa*	-0.7	0.7	
Δb*	-0.7	0.7	
ΔE*ab		1.0	

#### TECHNICAL DATA

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Fe <sub>2</sub> O <sub>3</sub>	90		DIN 55913-2
Water soluble substances [%]		4.0	DIN ISO 787-3
Moisture at 105°C [%]		1.0	DIN ISO 787-2
SiO <sub>2</sub> + Al <sub>2</sub> O <sub>3</sub> 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



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**STANDARD PACKAGING** 25kg/bag

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