



RONGBO

TECHNICAL DATA SHEET

Edition of :2018-11-03

Trade name:	Iron oxide pigment orange
Type	Orange Pigment
Delivery Form	Powder
Chemical Class	Synthetic iron oxide
Color Index	Combination of Pigment red 101 and yellow 42
CAS No.,	1309-37-1 , 20344-49-4
EC No.	215-168-2, 243-746-4

COLOR VALUES AND TINTING STRENGTH

Reference			Standard: GB
	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
ΔL^*	-1	+1	
Δa^*	-1	+1	Chromatograph
Δb^*	-1	+1	
ΔE^*_{ab}		1.0	GB/T1864
Relative tinting strength (%)	95	105	GB/T5211.19

TECHNICAL DATA	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Contents($Fe_2O_3 \cdot \alpha H_2O$) %	90		GB/T1863-2008
Moisture(After Production) %		1.0	GB/T5211.3
Water-Soluble Salts %		0.5	GB/T5211.2
Residue on 45 μm %		0.3	GB/T5211.18
PH Value	4	7	GB/T1717
Oil Absorption ml/100g	20	30	GB/T5211.15
Tinting Strength (Compared with standard) %	95	105	GB/T5211.19
Particle Shape		Irregular	Electron Micrographs
Predominant Particle size μm		Approx 0.3-0.6	Electron Micrographs

Standard Packing In 25kg paper bag / 900kg bulk bag, with palletized

Transport and Storage Protect against weathering / Store in a dry place

Safety The product is not classified as hazardous

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