



GOLCHHA

# Iron Oxide Specifications

Grade	Fe <sub>2</sub> O <sub>3</sub> (%)	pH Value of Aqueous Extract	Oil Absorption (%)	Tamped Density (gm / cm <sup>3</sup> )	Residue on 325 Mesh Sieve 45 Microns (%Max)	Water Soluble Matter (% Max)	Particle Shape	Loss on Ignition (%)	Tinting Strength (%)
<b>Synthetic Iron Oxide Yellow - Pigment Yellow 42, Colour Index No: 77492</b>									
825	86-88	4.5-6.5	50-60	0.3-0.5	0.50	0.50	Acicular	≤12	95~105
925	86-88	4.5-6.5	50-60	0.3-0.5	0.50	0.50	Acicular	≤12	95~105
<b>Synthetic Iron Oxide Orange - Combination of Colour Index No: 77492 &amp; 77491</b>									
G4960	90-92	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Irregular	≤8	95~105
<b>Synthetic Iron Oxide Red - Pigment Red 101, Colour Index No: 77491</b>									
110	96-98	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
120	96-98	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
301	96-98	4.5-6.5	40-50	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
225	96-98	4.5-6.5	30-40	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
PG	96-98	4.5-6.5	30-40	0.4-0.6	0.50	0.50	Spherical	≤1	95~105
425	96-98	4.5-6.5	20-30	0.6-0.8	1.00	0.50	Irregular	≤1	95~105



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Synthetic Iron Oxide Red - Pigment Red 101, Colour Index No: 77491									
1600	96-98	4.5-6.5	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	90~110
1600S	96-98	6.5-7.5	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	90~110
1700	93-95	7.0-9.0	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	90~110
445	97-98	6.0-8.0	15-25	0.6-0.8	1.00	0.50	Spherical	≤1	95~105
473	97-98	6.0-8.0	10-20	0.7-0.9	1.00	0.50	Spherical	≤1	95~105
446	97-98	6.0-8.0	10-20	0.7-0.9	1.00	0.50	Spherical	≤1	95~105
449	97-98	6.0-8.0	10-20	0.8-1.0	1.00	0.50	Spherical	≤1	95~105
G125	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
G110	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
G130	96-98	3.5-7.0	15-25	0.9-1.1	0.30	0.40	Spherical	≤1	95~105
2000	98-99	5.0 -7.0	15-25	0.6-0.8	0.10	0.50	Spherical	≤1	95~105



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<b>Synthetic Iron Oxide Brown - Combination of Colour Index No: 77491, 77492 &amp; 77499</b>									
610	90-92	4.5-7.0	30-40	0.6-0.8	0.50	0.50	Irregular	≤5	95~105
841	94-96	4.5-7.0	15-25	0.8-1.0	0.50	0.50	Irregular	≤1	95~105

### Synthetic Iron Oxide Black - Pigment Black 15, Colour Index No: 77499

G330	90-92 Fe <sub>3</sub> O <sub>4</sub>	5.0-8.0	15-25	0.9-1.1	0.50	0.50	Spherical	≤1	95~105
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**% above 10 microns**  
(Range 3-10 microns)

### Micronised Series - Synthetic Iron Oxide

1600M	96-98	6.0-8.0	15-25	1.1-1.3	<b>0.50</b>	0.50	Spherical	≤1	95~105
1800M	96-98	6.0-8.0	15-25	1.1-1.3	<b>0.50</b>	0.50	Spherical	≤1	95~105
445M	97-98	6.0-8.0	15-25	1.0-1.2	<b>0.50</b>	0.50	Spherical	≤1	95~105
473M	97-98	6.0-8.0	10-20	1.0-1.2	<b>0.50</b>	0.50	Spherical	≤1	95~105
2000M	98-99	5.0-7.0	15-25	1.1-1.3	<b>0.50</b>	0.50	Spherical	≤1	95~105