

	Grade	Fe <sub>2</sub> O <sub>3</sub> %	pH Value	Oil Absorption %	Tamped Density gm/cm <sup>3</sup>	Density gm/cm <sup>3</sup>	Residue On 325 Mesh Sieve(45µm) % Max	SiO <sub>2</sub> And Al <sub>2</sub> O <sub>3</sub> % Max	Water Soluble Matter % Max	Lime As CaO % Max	Particle Shape	Loss On Ignition, %
<b>Synthetic Iron Oxide Yellow</b> C.I. : 77492 <b>Pigment Yellow 42</b>	825	86-88	5.0-6.5	50-60	0.23	3.20	0.50	0.20	0.50	0.01	Acicular	≤12
	925	86-88	5.0-6.5	40-50	0.27	3.50	0.50	0.20	0.50	0.01	Acicular	≤12
	1125	86-88	5.0-6.5	35-45	0.30	3.80	0.50	0.20	0.50	0.01	Acicular	≤12
<b>Synthetic Iron Oxides Red</b> C.I. : 77491 <b>Pigment Red 101</b>	4960 Orange	90-92	5.0-6.5	30-40	0.32	3.80	0.50	0.20	0.50	0.01	Mixed	≤8
	110	96-98	5.0-6.5	60-70	0.30	3.50	0.50	0.20	0.50	0.01	Spherical	≤1
	120	96-98	5.0-6.5	55-65	0.35	3.50	0.50	0.20	0.50	0.01	Spherical	≤1
	301	96-98	5.0-6.5	55-65	0.40	4.00	0.50	0.20	0.50	0.01	Spherical	≤1
	225	96-98	5.0-6.5	50-60	0.45	4.00	0.50	0.20	0.50	0.01	Spherical	≤1
	PG	96-98	5.0-6.5	50-60	0.50	4.00	0.50	0.20	0.50	0.01	Spherical	≤1
	444	95-97	5.0-6.5	25-30	0.70	4.50	1.00	0.20	0.50	0.20	Spherical	≤1
	445*	95-97	5.0-6.5	25-30	0.70	4.50	1.00	0.20	0.50	0.20	Spherical	≤1
	446*	95-97	5.0-6.5	25-30	0.70	4.50	1.00	0.20	0.50	0.20	Mixed	≤1
	449*	95-97	5.0-6.5	10-15	1.20	5.50	1.00	0.20	0.50	0.20	Spherical	≤1
	473*	95-97	5.0-6.5	15-25	1.00	5.00	1.00	0.20	0.50	0.20	Spherical	≤1
	325	95-97	5.0-6.5	30-40	0.60	4.30	1.00	0.50	1.00	0.20	Mixed	≤1
	425	95-97	5.0-6.5	25-30	0.65	4.50	1.00	0.50	1.00	0.20	Mixed	≤1
1600	96-98	4.0-5.5	40-50	0.85	4.70	1.00	0.20	0.50	0.20	Mixed	≤2	

\*confirms to Bureau of Indian Standard

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