



**BALAJI GROUP**

Quality without compromise That's our Promise



## CHEMICAL ANALYSIS REPORT FOR

### MICACEOUS IRON OXIDE POWDER (-45 Mesh)

PARTICULARS	CHEMICAL NAME	PERCENT	PERCENT
Ferric Oxide	Fe <sub>2</sub> O <sub>3</sub>	95.32	Fe = 68.19
Ferrous Oxide	FeO	1.97	
Silica	SiO <sub>2</sub>	0.83	
Alumina	Al <sub>2</sub> O <sub>3</sub>	0.56	
Calcium Oxide	CaO	0.08	
Magnesium Oxide	MgO	0.05	
Titanium Dioxide	TiO <sub>2</sub>	0.10	Ti = 0.06
Manganous Oxide	MnO	0.04	Mn = 0.03
Sulphur Trioxide	SO <sub>3</sub>	0.01	S = 0.004
Phosphorus Pentoxide	P <sub>2</sub> O <sub>5</sub>	0.080	P = 0.035
Loss on Ignition		0.095	

DENSITY	4.85 g/cm <sup>3</sup>
Bulk Density	2.85 g/cm <sup>3</sup>
Volatile Matter	0.135%
Water Soluble Matter	0.22%
Oil Absorption	15.8 ml/100g
LOI at 800°C	0.27%
Lamellar Content	78-80%

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The **achievement** of perfection in quality is our Goal; but excellence is **guarantee..**