

### Crude Burnt Umber 83 AY

#### Description

Crude Burnt Umber 83 AY is a naturally occurring ore, which is calcined at our facilities in Cyprus. Visual tests are conducted on each lot to maximize consistency and quality. The resulting pigment produces a *light brown* shade with natural undertones in wood grain applications. Umbers are preferred colorants in furniture stains and high-quality wood finishes because of their transparency and ability to enhance wood grain appearance. The pigment from Crude Burnt Umber 83 AY is also used in medium-gloss coatings, artist paints, coatings processed on intensive dispersing equipment, liquid colorants, paper, plaster and stucco applications. In addition, it is suitable to colour products made with cement. It is stable under exposure to sunlight and UV radiation and is alkali, chemical and weather resistant. Crude Burnt Umber 83 AY is packaged in 50 kg polythene bags or 800-900 kg Jumbo Bags.

Uses: wood stain, paint, colorants, adhesives, ink, concrete, stucco and plaster.

#### Composition/Typical Properties

Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) (%)	43-48
Manganese Oxide (MnO <sub>2</sub> ) (%)	9.52
Manganese (Mn) (%)	6.02
Magnesium Oxide (MgO) (%)	2.26
Calcium Oxide (CaO) (%)	3.19
Phosphorous Oxide (P <sub>2</sub> O <sub>5</sub> ) (%)	1.00
Sodium Oxide (Na <sub>2</sub> O) (%)	0.20
Potassium Oxide (K <sub>2</sub> O) (%)	0.43
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> ) (%)	3.46
Oil Absorption (g/100g)	59.05
Bulk Density (g/l)	460-570
Water Soluble Salts (%)	1.48
Moisture & Volatile (%)	2.69
Ignition Loss (%)	7.93
pH (26 °C) 10%	7.1

#### Typical Trace Metal Content in Parts Per Million (ppm)

Arsenic (As)	349.9
Barium (Ba)	914.0
Cadmium (Cd)	40.8
Chromium (Cr)	56.8
Cooper (Cu)	813.9
Lead (Pd)	307.0
Mercury (Hg)	<0.2
Selenium (Se)	<1.1

The values for typical contents and trace metals are provided as general information only. They are approximate values for reference and not specifications utilized in our standard QC procedures for colour and consistency.

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