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TECHNICAL DATA SHEET

1. **Product Name:** Iron oxide yellow 8170EZ---Counter sample of YA22LV
(High Dispersibility Micronized yellow with Low Viscosity)

2. **CAS Number:** 51274-00-1

3. **Formula:** FeO. H₂O

4. **Molecular weight:** 177.69

5. **Chemical-Physical Properties:**

Appearance: yellow crystal powder

Tamped apparent Density/Bulk Density: 0.4-0.6g/cm³

Melting point: 1200°C

Solubility: Insoluble in water and alcohols, soluble in acids.

Stability: set off crystalized water above 150°C, and turn red.

6. **Usage:** Inorganic pigment. Widely used in concrete coloring, paintings, printing inks.

7. **Specification:**

Fe₂O₃: 86.0% min.

Oil absorption: 20-30 ml/100g

Volatiles at 105°C: 1.0% max.

Residue of 325 mesh: 0.01% max.

Water soluble salts: 0.3% max.

PH value: 5.5-7

Tinting strength: 95-105

Hegman: 6+

Electroconductivity: 250 us/cm max.

Shade: Similar with standard sample

8. **Packaging:**

25kgs PP woven bag or Kraft bags, unpalletized

25kgs bags, 24bags per pallet, shrink-wrapped.

600kgs PP woven jumbo bag, palletized.