

Pigment Powder

Dry pigment powders for various applications

Product Description

Range of pigment powders for paints, plastics, and industrial applications.

Certificate of Analysis

HSN Code: 3206.11

CAS Number: Varies by pigment

Classification: Depends on pigment chemistry

Parameter	Specification	Test Method
Pigment Content (active)	"e 98.0 %	Gravimetric / Assay
Particle Size (D50)	0.1 – 2.0 μ m	Laser Diffraction
Specific Surface Area (BET)	5 – 30 m ² /g	BET Method
Specific Gravity / Density	2.0 – 4.5 g · cm ⁻³	Pycnometer
Moisture	"d 1.0 %	Oven Drying
Volatile Matter (organic)	"d 0.5 %	Thermogravimetric / LOI
Oil Absorption	20 – 60 g/100 g	ASTM D281
Tinting Strength	"e 95 % of reference st	Drawdown / Instrumental Comparison
pH (1% aqueous slurry)	6.0 – 9.0	pH meter
Residue on 45 μ m sie	"d 0.05 %	Sieve Test
Heavy Metals (as Pb)	"d 0.0005 %	AAS / ICP-OES

Physical Properties

Appearance: Free-flowing powder; colour and shade as specified

Odor: Odorless to faint

Molecular Formula: Varies by pigment

Molecular Weight: Varies by pigment

Solubility: Insoluble in water and most organic solvents

Density: 2.0 – 4.5 g/cm³

Packing: 20 kg / 25 kg paper-poly lined valve bags, 25 kg HDPE bags, 500 kg – 1000 kg jumbo bags

Storage: Store in cool, dry, well-ventilated area protected from moisture and contamination

Safety & Handling

PPE: Dust mask/respirator, safety goggles, gloves

Hazards:

- May cause eye/skin irritation
- Avoid inhalation of dust