

Pigment Dye

Fine powder or granules, uniform color

Product Description

Range of pigment dyes for various industrial applications.

Certificate of Analysis

HSN Code: 3204.11

CAS Number: Varies depending on specification
Classification: Depends on pigment type; generally organic dyes

Parameter	Specification	Test Method
Appearance	Fine powder or granules, uniform color	Visual
Color Shade	As per standard reference (e.g., Pantone or internal standard)	Spectrophotometry
Particle Size (Da)	0.1 – 5 µm	Laser Diffraction
Moisture Content	Max 0.5%	Gravimetric
Oil Absorption	20 – 50 g/100 g	ASTM D281
pH (10% aqueous slurry)	6.0 – 8.0	pH Meter
Heavy Metals Content	Within permissible limits (Pb, Cd, Cr, Hg)	ICP-MS
Ash Content	Max 1.0%	Gravimetric
Solubility	Insoluble in water and common solvents	Visual
Heat Stability	Stable up to 250°C (varies by pigment type)	Thermal Analysis
Light Fastness	Grade 7 – 8 (Blue Wool Scale)	ISO 105-B02

Physical Properties

Appearance: Fine powder or granules, uniform color

Solubility: Insoluble in water and common solvents

Packing: 25 kg kraft paper bags with PE liner; 500 kg jumbo bags available; Customized packaging available upon request

Storage: Store in a cool, dry, well-ventilated area; Avoid exposure to moisture and direct sunlight; Keep containers sealed

Safety & Handling

PPE: Gloves, dust mask, safety glasses

Hazards:

- Skin irritation
- Eye irritation
- Dust inhalation
- Potential environmental hazards