

Ceramic Pigments

Colored powders for ceramics

Product Description

Range of high-temperature stable ceramic pigments for tiles, pottery, and glass.

Certificate of Analysis

HSN Code: 3207.30

CAS Number: 65997-18-4

Classification: Generally non-hazardous (some grades may be hazardous)

Parameter	Specification	Test Method
Appearance	Fine free-flowing powder	Visual
Color Shade	As per standard reference shade	Visual / Spectrophotometric
Moisture Content	Max 0.5%	Gravimetric
Residue on 325 Mesh Sieve	Max 0.3%	Sieve Analysis
Oil Absorption	20 – 35 g/100 g pigment	ASTM D281
Loss on Ignition (at 1000°C)	Max 1.0%	Gravimetric
Firing Temperature Stability	Up to 1250°C (varies by pigment type)	Firing Test
Chemical Composition	Metal oxides (e.g., Zr, Si, Fe, Cr, Co, Ni, etc.)	XRF Analysis
Particle Size (D ₅₀)	1 – 10 µm	Laser Diffraction
Solubility	Insoluble in water and most solvents	Visual / Physical
pH (10% suspension)	6.5 – 8.5	pH Meter
Thermal Stability	No degradation up to rated temperature	Thermal Test

Physical Properties

Appearance: Fine free-flowing powder

Solubility: Insoluble in water and most solvents

Packing: 25 kg HDPE or paper bags with inner liner, 500 kg jumbo bags for bulk supply, Customized packaging available

Storage: Store in a dry, cool, and well-ventilated area. Avoid moisture and contamination. Keep bags sealed tightly after use.

Safety & Handling

PPE: Dust mask, gloves, goggles

Hazards:

- Dust inhalation
- Skin irritation (some grades)
- Environmental hazard (heavy metal content)