

Blue Pigment

Fine powder blue colorant

Product Description

Blue pigments for paints, plastics, inks, and industrial coloring applications.

Certificate of Analysis

HSN Code: 3206.49

CAS Number: 147-14-8

Classification: Non-Hazardous

Parameter	Specification	Test Method
Product / Grade	Blue Pigment (Phthalocyanine Blue – PB 15:3 / PB 15:1)	Documentation
Appearance	Bright blue fine powder	Visual
Odor	Odorless	Sensory
Color Shade	As per standard (bright deep blue tone)	Visual / Spectrophotometric
Tinting Strength	100 ± 5% of standard	Visual / Colorimetric
Moisture (at 105 °C)	"d 1 . 0 %	Oven drying
Volatile Matter	"d 1 . 0 %	Gravimetric
Oil Absorption	35 – 45 g oil / 100 g pigment	ASTM D281
pH (10% aqueous slurry)	6.0 – 8.0	pH meter
Residue on 325 mesh	"d 0 . 5 %	Sieve analysis
Water Soluble Matter	"d 1 . 0 %	Gravimetric
Heat Stability	Up to 250 °C (non-bleeding)	Thermal test
Light Fastness (Blue Wool Scale)	7 – 8	ISO 105-B02
Weather Resistance	Excellent	Visual exposure test
Chemical Resistance (acid/alkali)	Excellent	Immersion test
Dispersibility	Excellent (in most binder systems)	Visual / Dispersometer
Density	1.6 – 1.8 g/cm³	Pycnometer
Bulk Density	0.4 – 0.6 g/cm³	Tapped density
Heavy Metals (as Pb)	"d 0 . 0 0 1 %	AAS / ICP-OES
Arsenic (As)	"d 0 . 0 0 0 5 %	AAS
Solvent Resistance	Excellent	Solvent immersion test

Physical Properties

Appearance: Bright, deep blue fine powder with uniform particle size, high tinting strength, and excellent dispersion properties.

Odor: Odorless

Solubility: Insoluble in water and most organic solvents. Dispersible in various media such as plastics, paints, coatings, inks, etc.

Packing: 25 kg HDPE laminated bags with inner liner, 25 kg fiber drums for high-purity or export grades, 500 kg / 1000 kg

Storage: Store in a cool, dry, and well-ventilated place away from moisture and direct sunlight. Keep containers tightly sealed.

Safety & Handling

PPE: Gloves, mask, goggles

Hazards:

- Dust inhalation