

Fluorescent Dyes

Fluorescent coloring agents

Product Description

Range of fluorescent dyes for various industrial applications.

Certificate of Analysis

HSN Code: 3204.13 CAS Number: Varies by specific dye (e.g., Rhodamine 6G, 1188-9, Fluorescein, etc.)

Parameter	Specification	Test Method
Appearance	Bright colored powder (orange, red, green, yellow, etc.)	Visual
Color Shade	As per standard sample	Visual Comparison
Purity (by dye content)	"e 90 %	Spectrophotometric / TLC
Moisture Content	"d 1.0 %	Gravimetric (at 105°C)
Solubility	Soluble in water/alcohol (depends on dye type)	Visual
pH (1% aqueous solution)	5.0 - 8.0	pH Meter
Bulk Density	0.4 - 0.8 g/cm³	ASTM D1895
Absorption Maximum	As per product standard (e.g., 540 nm, 490 nm)	UV-Visible Spectrophotometer
Residue on Ignition	"d 0.5 %	Gravimetric
Heavy Metals (as Pb)	"d 10 ppm	AAS / ICP-OES
Arsenic (As)	"d 2 ppm	AAS / ICP-OES
Heat Stability	Stable up to 150°C	Visual / Thermal Test
Fluorescence Intensity	"e 95 % (compared to standard)	Spectrofluorometer

Physical Properties

Appearance: Bright colored powder (orange, red, green, yellow, etc.)

Odor: Characteristic dye odor

Molecular Formula: Varies by dye type

Molecular Weight: Varies by dye type

Solubility: Soluble in water/alcohol (depends on dye type)

Density: 0.4 - 0.8 g/cm³

Packing: 25 kg / 50 kg HDPE drums or fiber drums with inner liner, 1 kg / 5 kg containers for laboratory grades, Custom packaging available.

Storage: Store in cool, dry, and dark conditions to prevent color fading. Avoid exposure to direct sunlight and moisture. Keep container tightly sealed.

Safety & Handling

PPE: Gloves, goggles, dust mask

Hazards:

- May cause eye and skin irritation
- Harmful to aquatic life