

Fabric Reactive Dyes

Reactive dyes for textile applications

Product Description

Water-soluble reactive dyes for cellulose fibers like cotton.

Certificate of Analysis

HSN Code: 3204.11

CAS Number: Varies by dye type (e.g., Reactive Dyes CAS 85-01-7, Disperse Dyes CAS 85-01-7, Acid Dyes CAS 85-01-7)

Parameter	Specification	Test Method
Appearance	Fine powder or granules, bright color	Visual
Assay (Active Dye Content)	Min 80.0%	UV-Visible Spectrophotometry
Moisture Content	Max 5.0%	Gravimetric
Solubility	Soluble in water	Visual / Physical
pH (1% aqueous solution)	5.0 – 9.0	pH Meter
Ash Content	Max 1.5%	Gravimetric
Particle Size	90% pass through 150 mesh	Sieve Analysis
Heavy Metals (as Pb)	Max 0.005%	ICP-OES
Water Insoluble Matter	Max 1.0%	Gravimetric
Light Fastness	Grade 4 or higher (Scale 1-8)	ISO 105-B02
Wash Fastness	Grade 4 or higher (Scale 1-5)	ISO 105-C06
Color Strength	High brightness and color yield	Visual / Spectrophotometric

Physical Properties

Appearance: Fine powder or granules, bright color

Odor: Characteristic dye odor

Molecular Formula: Varies by dye type

Molecular Weight: Varies by dye type

Solubility: Soluble in water

Density: Not specified

Packing: 25 kg HDPE laminated bags with inner liner, 5 kg, 10 kg, and 20 kg packaging options available

Storage: Store in a cool, dry, and well-ventilated area. Avoid exposure to moisture, direct sunlight, and extreme temperatures.

Safety & Handling

PPE: Gloves, goggles, dust mask

Hazards:

- May cause skin and eye irritation
- May cause allergic skin reactions