

Optical Brightener (OB-1 Type)

Fluorescent whitening agent for plastics

Product Description

High efficiency optical brightener for plastics, textiles, and paper to enhance whiteness and brightness.

Certificate of Analysis

HSN Code: 3204.20

CAS Number: 1533-45-5

Classification: Non-Hazardous (may cause m

Parameter	Specification	Test Method
Purity (by HPLC)	"e 98.5 %	HPLC
Melting Point	350 – 360 °C	Melting Point Apparatus
Moisture Content	"d 0.5 %	Gravimetric (oven dry)
Fluorescence Strength	"e 100 % (v s . s t a n d a r d)	Spectrophotometry
Volatile Matter	"d 0.5 %	Gravimetric
Insoluble Impurities	"d 0.05 %	Filtration

Physical Properties

Appearance: Yellowish-green fluorescent crystalline powder

Odor: Odorless

Molecular Formula: C40H38N12O8S2

Molecular Weight: 878.94 g/mol

Solubility: Insoluble in water, soluble in organic solvents (e.g., DMSO, xylene)

Density: 1.3 – 1.4 g/cm³

Melting Point: 350–360°C

Packing: 25 kg fiber drums with inner polyethylene liner

Storage: Store in a cool, dry, and well-ventilated area away from direct sunlight

Safety & Handling

PPE: Gloves, goggles

Hazards:

- May cause mild skin or eye irritation on contact