

Product Data Sheet

Optical Brightener CBS-X (Fluorescent Brightener 351)

Description

Description	Optical Brightener CBS-X (C.I. Fluorescent Brightener 351) is a stilbene-based fluorescent whitening agent (FWA) that absorbs UV light and re-emits it as blue-white visible light, counteracting the natural yellow tint of textiles, paper, plastics and detergent formulations to produce a bright, “whiter-than-white” visual effect.
Applications	Detergent and soap manufacturing (whitening effect) Textile brightening – cotton and synthetic fibres Paper brightening and pulp processing Plastics (PVC, PE) whitening
Grade	CBS-X / FWA-1 Type (Fluorescent Brightener 351)
CAS No.	27344-41-8

Key Benefits

1. High tinting strength delivering strong whitening effect at low dosage
2. Good solubility supporting easy incorporation into detergent and textile formulations
3. Consistent, standardised tinting strength for predictable formulation results
4. Widely accepted standard grade across detergent, textile and paper industries
5. Stable under normal formulation and storage conditions

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Assay (Purity)	HPLC Method	wt%	Min. 98.0

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Tinting Strength (vs. Standard)	Colorimetric Method	%	100 ± 5
Moisture	Karl Fischer Method	wt%	Max. 5.0
pH (1% Solution)	pH Meter	-	7.0 – 9.0
Loss on Drying	Gravimetric Method	wt%	Max. 5.0
Appearance	Visual	-	White to pale yellow powder/granules

Packaging

Packaging 25 kg Kraft Paper Bags / Fibre Drums (with liner)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated area away from direct sunlight
2. Keep containers tightly sealed to prevent moisture pickup and UV/light exposure degradation
3. Avoid prolonged storage at elevated temperatures
4. Keep away from strong oxidising agents

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting assay, tinting strength and moisture against this TDS

3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.