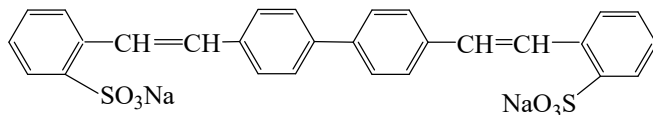


**OPTICAL BRIGHTENER CBS-X****C.I.351 CAS: 27344-41-8****STRUCTURE:****MOLECULAR FORMULA:** C<sub>28</sub>H<sub>20</sub>S<sub>2</sub>O<sub>6</sub>Na<sub>2</sub>**MOLECULAR WEIGHT:** 562.56(As International relative Atom Mass 2013)**EXECUTIVE STANDARD:** HG/T 3726-2010**SPECIFICATIONS:**

ITEM	INDICES
1) Appearance	Yellow-green uniform powder or granule
2) Odour	Tasteless
3) Max UV absorbtion wave length/nm	349±1
4) 1% E-value	1105-1181
5) Moisture/%	≤3.5

**PROPERTIES:**

The fluorescence quantum yield is high, and the amount is only one quarter of that of the stilbene-triazine type fluorescent whitening agent. Tonal purple (blue-violet light), extremely resistant to chlorine bleaching, hydrogen peroxide bleaching and strong acid and alkali, can significantly increase the whiteness of washing powder and soap and soap, and improve the appearance quality. The swimming property is good. At low temperature, the small bath is evenly whitened compared to hand washing and machine washing, and no spots are generated. It has strong whitening effect, and has high whitening effect on cellulose fiber, polyamide, protein fiber and cotton cloth in cold water and warm water, while other fluorescent whitening agents have poor whitening effect at low temperature. The whitening speed is fast, and the fabric can achieve a high whiteness in a very short time. It has excellent wet and dry fastness and excellent perspiration resistance, while the stilbene triazine fluorescent whitening agent is easily decomposed during the drying process of the washed fabric, and the fabric is yellowed under the action of perspiration. After repeated washing, the effect is better, the whitening is more white and the more the washing is more beautiful, and the stilbene triazine-type fluorescent whitening agent, after repeated use, will make the fabric greenish. Darkening and whiteness decrease. It is insoluble in chlorinated hydrocarbons but can be dispersed therein. The granular product of this product has a large average particle size and is an environmentally friendly product.

**APPLICATION:**

Mainly used in high-grade synthetic washing powder, super concentrated liquid detergent, can also be used for whitening soap and soap, also used in fabric softeners and finishing agents, in any step in the manufacturing process of synthetic detergents, soaps and soaps.



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Join. It can be used alone or in combination with other varieties of fluorescent whitening agents according to different needs. Dyeing cotton with exhaustion dyeing and padding, dyeing wool with exhaust dyeing method, dyeing with nylon, dyeing hot fixing method, acid padding method or solvent padding method, dyeing silk, excellent fastness. The affinity for cotton is low to medium, and the affinity for hair, silk and nylon is high.

## DOSAGE:

It is recommended to add the following amount:

1. In synthetic detergents, it is recommended to add the following amount:

Detergent types	Dosage(%W/W)	Detergent types	Dosage(%W/W)
Common washing powder	0.05-0.25	Laundry Soap	0.05-0.15
Concentrated washing powder	0.10-0.40	Soap	0.05-0.15
Liquid detergent	0.05-0.40	Fabric softener	0.02-0.05
Industrial cleaning agent	0.20-1.00	Emulsion	0.05-0.15

2. Application on printing and dyeing: the yellowing point of the bath is 1:20, the yellowing point is 0.3%, and the yellowing point of 1:40 is 0.5%.

## PACKAGE:

Packed per 25kg in cardboard box after being packed in plastic bag first.

## STORAGE:

Should be stored in cool, dry and ventilate place, and storage term should not exceed 2 years.