



CERTIFICATE OF ANALYSIS

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1. Identification

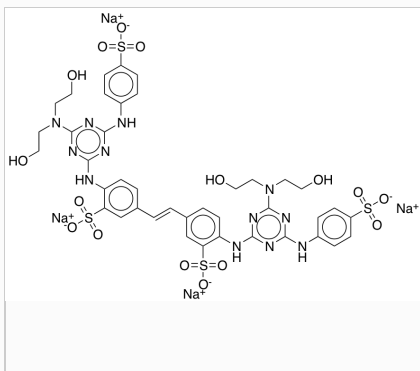
Catalogue Number: F597828

CAS Number: 16470-24-9

Product: Fluorescent Brightener 220, Technical Grade

Synonym: Benzenesulfonic acid, 2,2'-(1,2-ethenediyl) bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[(4-sulphophenyl)amino]-1,3,5-triazin-2-yl]amino]-, sodium salt (1:4); 2,2'-Stilbenedisulfonic acid, 4,4'-bis[[4-[bis(2-hydroxyethyl)amino]-6-(p-sulfoanilino)-s-triazin-2-yl]amino]-, tetrasodium salt (7CI,8CI); Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-[(4-sulphophenyl)amino]-1,3,5-triazin-2-yl]amino]-, tetrasodium salt (9CI); BLB; Belofor OB; Blancofor

Structure:



Molecular Formula:

C₄₀H₄₀N₁₂Na₄O₁₆S₄

Molecular weight:

1165.04

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 1-JLO-6-1

Purity: Technical Grade

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Yellow Solid	Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Meenakshi Sharma	Toni Rantanen	Christina Gouliaras	7/12/2023	7/10/2027