

**1. Identification**Catalogue Number

D492970

Lot Number

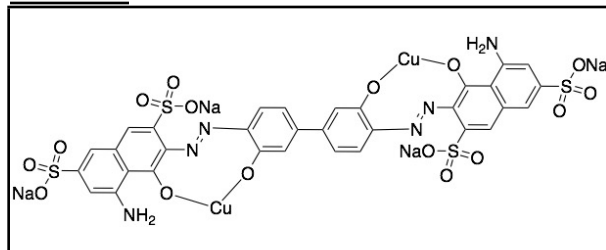
712000552-1-1

Product Name

Direct Blue 218 (Technical Grade)

Synonyms

[Tetrahydrogen-3,3'-[(3,3'-dihydroxy-4,4'-biphenylene)bis(azo)]bis[5-amino-4-hydroxy-2,7-naphthalenedisulfonato](4-)]di-Copper Tetrasodium Salt;

StructureCAS Number

28407-37-6

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC<sub>32</sub>H<sub>16</sub>Cu<sub>2</sub>N<sub>6</sub>Na<sub>4</sub>O<sub>16</sub>S<sub>4</sub>Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

1087.81

Purity

Technical Grade

**2. Warnings**

Not Determined

**3. Analytical Information**Tests

Appearance

Specifications

Very Dark Blue to Black Solid

Results

Very Dark Purple to Black Solid

NMR

Conforms to Structure

Conforms

UV Absorbance

Report Result

224 nm, 327 nm, 604 nm

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

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

6/20/2024

Retest Date

6/18/2028