



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

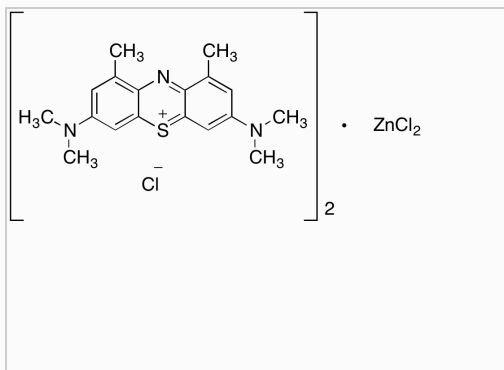
Catalogue Number: D469355

CAS Number: 931418-92-7

Product: 1,9-Dimethyl-methylene Blue Zinc Chloride Double Salt (Technical Grade)

Synonym:

Structure:



Molecular Formula:

$(C_{18}H_{22}ClN_3S)_2 \cdot$

Molecular weight:

695.81 + 136.29

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 711906817-4-1

Purity: Technical Grade

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 45.87, %H: 5.21, %N: 9.03
Chloride Content	Report Result	14.9%
UV Absorbance	Report Result	247 nm, 287 nm, 594 nm, 647 nm
MS	Conforms to Structure	Conforms
Appearance	Very Dark Blue to Black Solid	Very Dark Blue to Black Solid

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	Chanell Chu	11/23/2023	11/21/2027