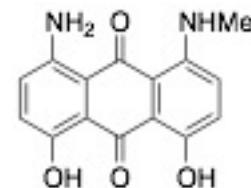


CERTIFICATE OF ANALYSIS

1. Identification

Catalogue Number M539495
Lot Number 7-MIE-43-1
Product Name Mono N-Desmethyl Disperse Polyester Dark Blue (Technical Grade)

StructureSynonyms

1-Amino-4,5-dihydroxy-8-(methylamino)-9,10-anthracenedione

CAS Number

56524-77-7

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₅H₁₂N₂O₄

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

284.27

Purity

Technical Grade

2. Warnings

Light Sensitive

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Very Dark Blue to Black Solid	Very Dark Purple to Black Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
UV Absorbance	Report Result	252 nm, 273 nm, 280 nm, 301 nm, 370 nm, 610 nm, 651 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

<u>Reviewed by</u> 	<u>Reviewed by</u> 	<u>C of A Approved by</u> 	<u>Test Date</u> 2/8/2024	<u>Retest Date</u> 2/6/2028
Sarjeet Kaur Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Quality Assurance Associate		