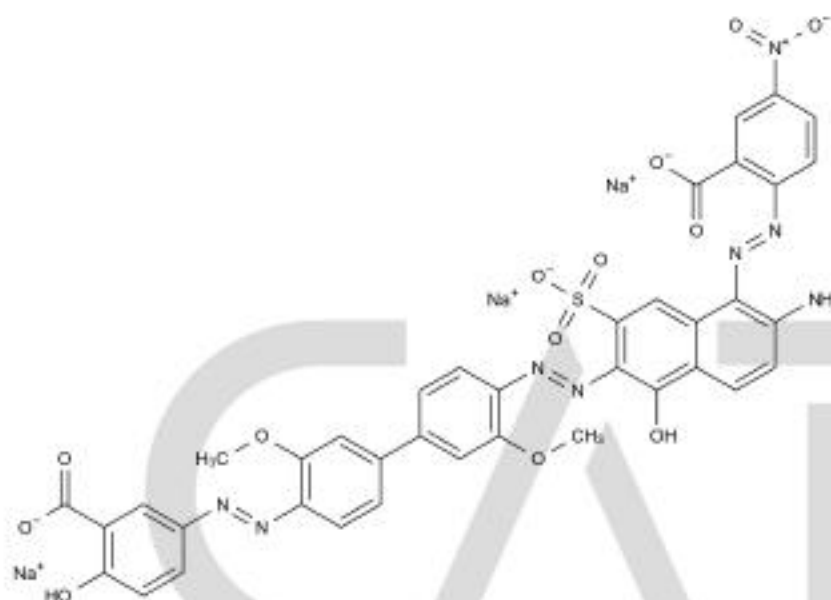


Certificate of Analysis

Reference Material & Standard

Product Name:	Direct black 91	Catalogue Number:	CCHM705656
Synonyms:	N/A	Lot Number:	0118-SA-7181
CAS Number:	6739-62-4	Expiry Date:	Jan 17, 28
Molecular Formula:	$C_{38}H_{25}N_8O_{13}S \cdot 3Na$	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	833.72 $\pm$ 22.99		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	98.225%
Uncertainty		$\pm$ 2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Jan 18, 24

Date: Jan 18, 24

Date: Jan 18, 24



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Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

Document Version:

Revision No.	Date	Reason for Revision
01	Jan 18, 24	First release.

