Certificate of Analysis

Reference Material & Standard

Product Name:	Sudan Mix 4	**Catalogue Number:**	MCFD201347-AL
Appearance:	Colourless Liquid	**Lot Number:**	0920-RH-0019
Solvent:	Acetonitrile	**Storage:**	-20°C±5°C Protected from light and Sealed
Expiry Date:	May 24, 2028	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:

N/A

Warning:



NO.	Component	CAS No.	Certified Concentration Value (μg/mL)	Uncertainty (%)
1	Sudan I	842-07-9	100.0	3
2	Sudan 2	3118-97-6	100.0	3
3	Sudan 3	85-86-9	100.0	3
4	Sudan 4	85-83-6	100.0	3

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.

CATO Research Chemicals Inc.

Signature:

Prepared by: Lisa Date: Sep 20, 2026

Reviewed by: Hinlam Date: Sep 21, 2026

Approved by General Manager: David Date: Sep 21, 2026

CATO Research Chemicals Inc.