Certificate of Analysis

Reference Material & Standard

Product Name:	1,1,2,2,3,3,4,4,5,5,5-Undecafluoro-1-pentanesulfonic Acid Sodium Salt	**Catalogue Number:**	CS370133
Synonyms:	N/A	**Lot Number:**	1029-SA-7836
CAS Number:	630402-22-1	**Expiry Date:**	Oct 28, 27
Molecular Formula:	$C_5F_{11}O_3S$ Na	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	349.10 22.99		
		Warning:	

Chemical Structure:

Test Items	Method	Results
Appearance	Visual inspection	White to Brown Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	97.969%
Uncertainty		±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.

CATO Research Chemicals Inc.

Signature:

Prepared by:

Date: Oct 29, 23

Reviewed by:

Date: Oct 29, 23

Approved by General Manager:

Date: Oct 29, 23

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	Oct 29, 23	First release.

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