CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

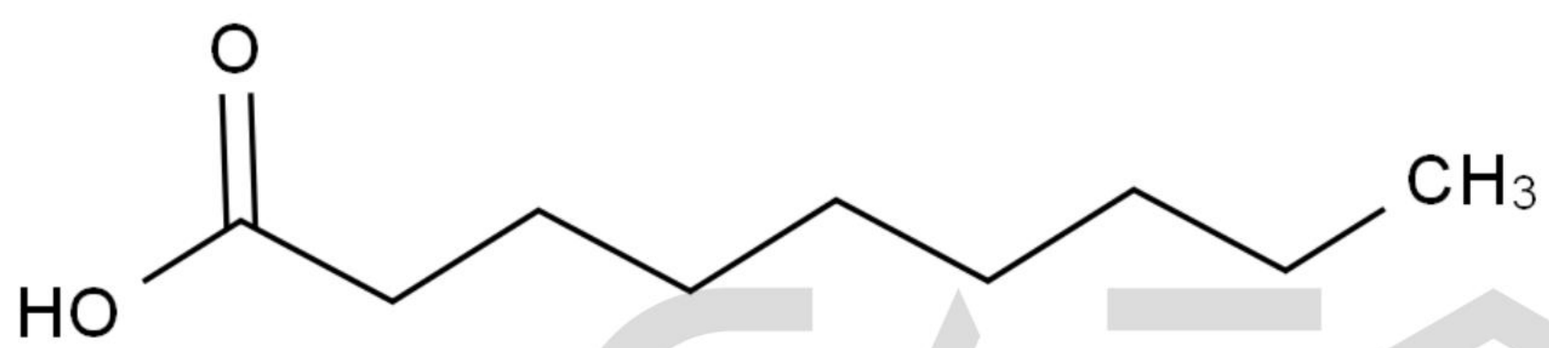
No.: 202310200062

Certificate of Analysis

Reference Material & Standard

Product Name:	Nonanoic Acid	**Catalogue Number:**	CCFD200192
Synonyms:	N/A	**Lot Number:**	1023-RE-0119
CAS Number:	112-05-0	**Expiry Date:**	Oct 25, 2027
Molecular Formula:	C9H18O2	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	158.24	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	97.4%
Assay	qNMR	94.2%
Uncertainty		±2.0%

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Comment:

1. Assay was determined by quantitative 1H-NMR.

2. 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: Alice Date: Oct 26, 2023

Reviewed by: Lisa Date: Oct 26, 2023

Aporoved by General Manager: David Date: Oct 26, 2023

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