

Certificate of Analysis

Reference Material & Standard

Product Name:	2-EthylNitrobenzene	Catalogue Number:	CCEM500881
Synonyms:	N/A	Lot Number:	0217-RE-0047
CAS Number:	612-22-6	Expiry Date:	Feb 26, 2027
Molecular Formula:	C ₈ H ₉ NO ₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	151.16		

Warning:



Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Liquid
Identification	GCMS&HNMR	Confirmed
Purity	HPLC	99.219%
Water Content	Karl Fischer	0.1247%
Assay		99.1%
Uncertainty		±2.0%

Comment:

CATO Research Chemicals Inc.

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

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:

Hinlam

Reviewed by:

Xenia

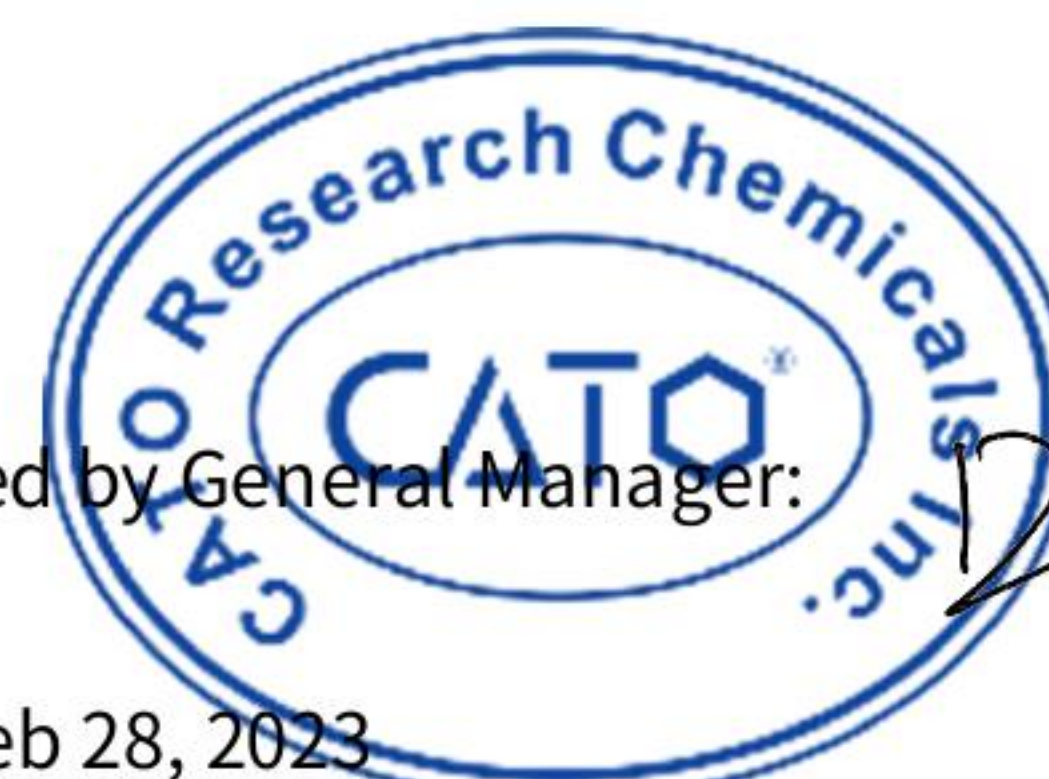
Approved by General Manager:

David

Date: Feb 27, 2023

Date: Feb 28, 2023

Date: Feb 28, 2023



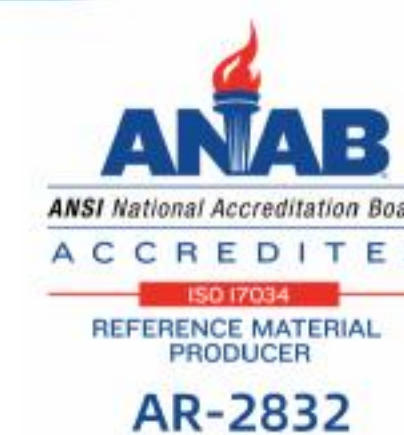
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