

Certificate of Analysis

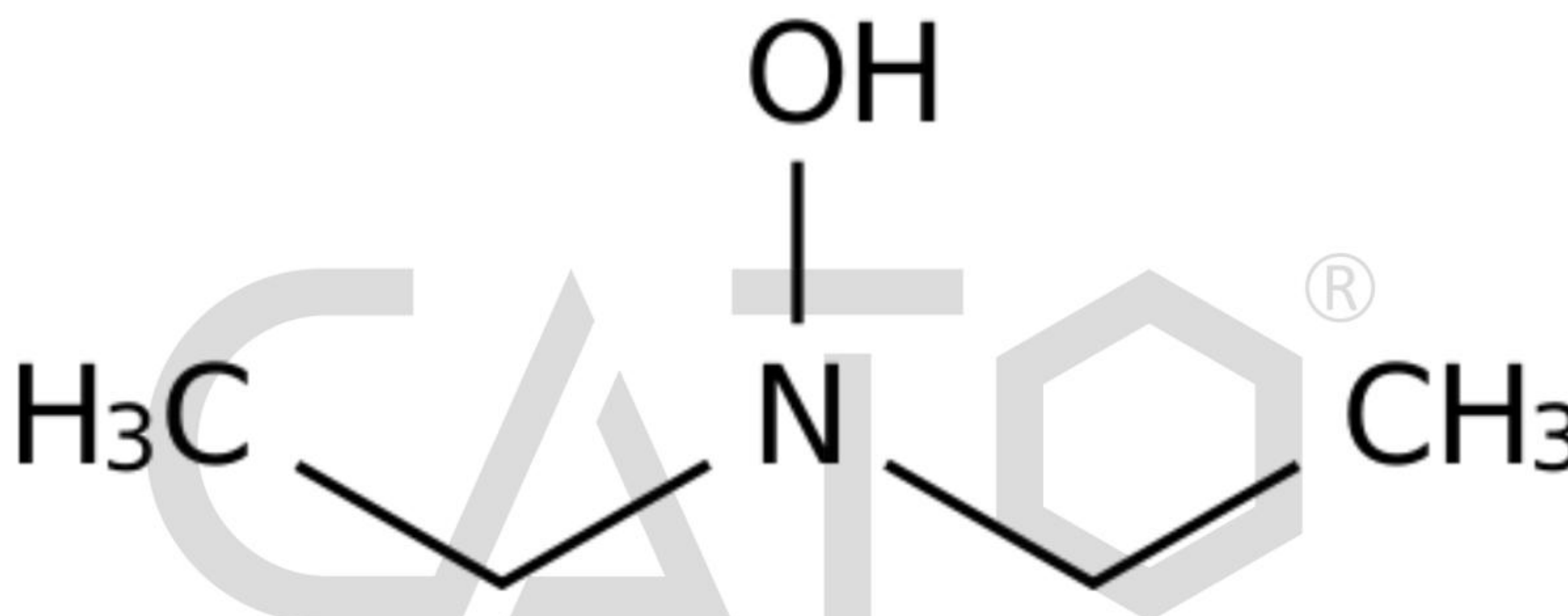
Reference Material & Standard

Product Name:	N,N-Diethylhydroxylamine	Catalogue Number:	CCHM704023
Synonyms:	N/A	Lot Number:	0913-RC-0017
CAS Number:	3710-84-7	Expiry Date:	Sep 14, 2025
Molecular Formula:	C ₄ H ₁₁ NO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	89.14	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	99.827%
Water Content	Karl Fischer	15.0942%
Assay		84.8%
Uncertainty		±2.0%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$

Water Content is considered as absolute effect, GC 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:

Debia

Reviewed by:

Xenia

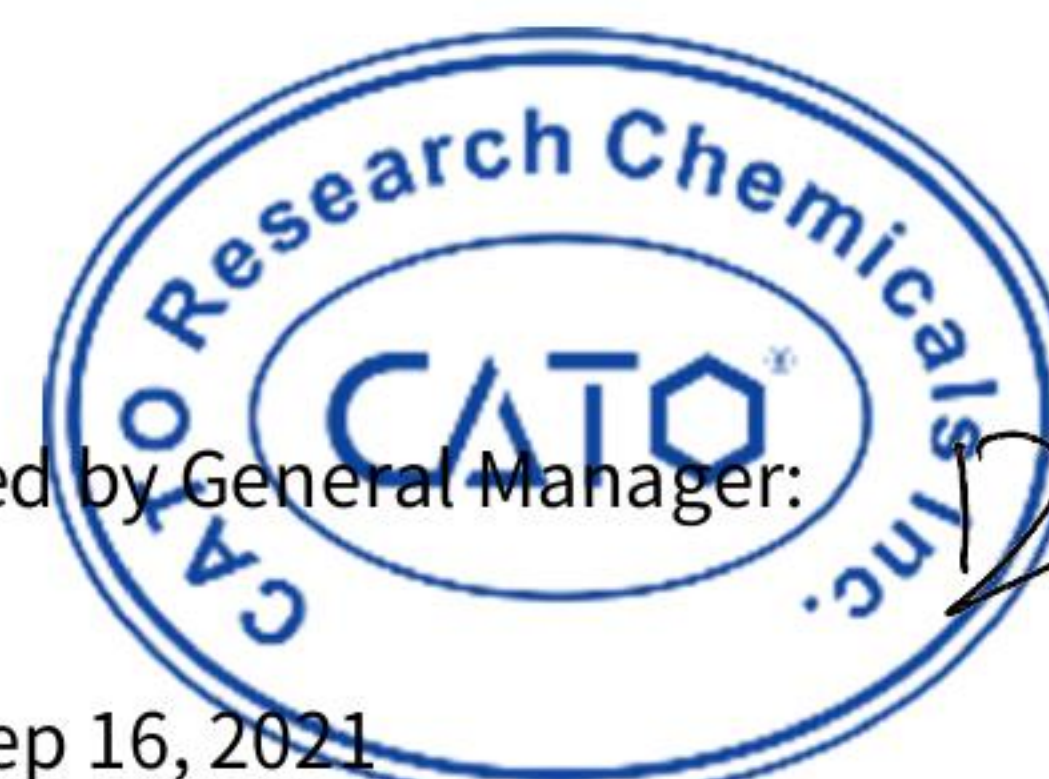
Approved by General Manager:

David

Date: Sep 15, 2021

Date: Sep 16, 2021

Date: Sep 16, 2021



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