

## **CERTIFICATE OF ANALYSIS**

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## 1. Identification

Catalogue C363700 CAS 1440-61-5 Number: Number:

Synonym: 2-Chloro-1-(4-morpholinyl)ehanone; 2-

Chloro-1-(morpholin-4-yl)ethanone; 2-Chloro-

1-morpholino-1-ethanone; 2-Chloro-1-

morpholinoethanone; 4-

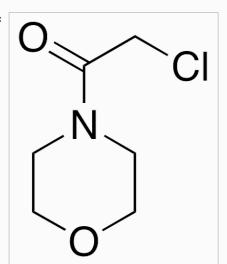
Morpholinylcarbonylmethyl Chloride; Chloroacetic Acid Morpholide; Chloroacetic

Acid Morpholine Amide; N-

(Chloroacetyl)morpholine; NSC 54542;

Structure:

Product:



4-(Chloroacetyl)morpholine

Molecular Formula:

C6H10CINO2

Molecular weight:

163.6

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Methanol (Slightly)

21-ZEA-100-1 Number:

Purity: 94%

**Shipping** Condition: Shipped At Room Temperature

This Product Is Stable To Be

Storage

Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

## 3. Analytical Information

Tests: Specifications: Results:

Elemental Conforms

Analysis

%C: 43.61, %H: 6.23, %N: 8.34

Colourless to Pale Yellow Oil to Low-Appearance

Melting Solid

Clear Colourless Oil

Conforms

**NMR** Conforms to Structure MS Conforms to Structure

Conforms

GC Report Result 93.83%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

**Reviewed By** Evan Burns

Toni Rantanen

**Reviewed By** 

C of A Approved By Chanell Chu

**Test Date** 

**Retest Date** 

Evan Burns

8/17/2021

8/15/2025