

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number:

P480290

Product:

4-(Piperazinomethyl)benzoic Acid,

Dihydrochloride

Structure:

CO₂H

N 2HCI

Lot Number: 14-QIU-90-1

Shipping This Product Is Stable To Be Shipped At

Condition: Room Temperature

CAS Number: 86620-70-4

Synonym: 4-(1-piperazinylmethyl)benzoic Acid

Hydrochloride;

Molecular Formula:

C12H16N2O2 • 2 HCl

Molecular weight:

293.19

Source of Product:

N/A

Solubility:

No Data Available

Purity: 98%

Storage Condition: -20°C

2. Warning

Warning 1:

Appearance

NMR

Warning 2:

Warning 3:

3. Analytical Information

Tests: Specifications:

White to Off-White Solid

Conforms to Structure

Elemental Analysis Conforms

MS Conforms to Structure

Chloride Content Report Result

Water Content Report Result

Results:

White Solid

Conforms

20111011113

%C: 46.08, %H: 6.36, %N: 8.87

Conforms

23.2%

~5.6% based on Elemental Analysis

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 \pm 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 Reviewed By

C of A Approved By

Test Date

Retest Date

Nicole Yip

Toni Rantanen

Chanell Chu

3/14/2022

3/12/2026

WAY

437

