



CERTIFICATE OF ANALYSIS

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1. Identification

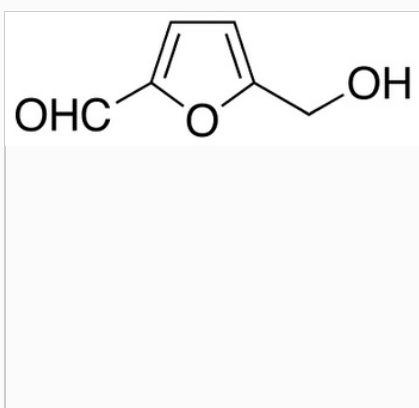
Catalogue Number: H947000

CAS Number: 67-47-0

Product: 5-Hydroxymethyl-2-furaldehyde

Synonym: 5-(Hydroxymethyl)-2-furancarboxaldehyde; 2-Formyl-5-hydroxymethylfuran; HMF; 2-Hydroxymethyl-5-furfural; 5-(Hydroxymethyl)-2-furancarboxal; 5-(Hydroxymethyl)furfural; 5-Hydroxymethylfurfural; 5-Oxymethylfurfurole; Hydroxymethylfurfuraldehyde; NSC 40738;

Structure:



Molecular Formula:

C₆H₆O₃

Molecular weight:

126.11

Source of Product:

Synthetic

Solubility:

Chloroform (Soluble),
Methanol (Slightly), Ethyl
Acetate (Slightly)

Lot Number: 2-HBS-115-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be
Shipped With Blue Ice

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Dark Brown Sticky Solid to Low-Melting Solid	Light Yellow Sticky Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 55.11, %H: 4.49
HPLC Purity	Report Result	99.13% (290 nm)
C NMR	Conforms to Structure	Conforms

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

Farnaz Mahmoudi

**Reviewed By**

Toni Rantanen

**C of A Approved
By**

Chanell Chu

**Test Date**

2/19/2023

Retest Date

2/17/2030