



CERTIFICATE OF ANALYSIS

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1. Identification

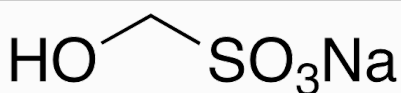
Catalogue Number: F691460

CAS Number: 870-72-4

Synonym: 1-Hydroxymethanesulfonic Acid Sodium Salt (1:1); Hydroxymethanesulfonic Acid Monosodium Salt; Hydroxymethanesulfonic Acid Sodium Salt; Formaldehyde Sulfite Sodium Salt; Formaldehyde-sodium Bisulfite Adduct; Formbis; Hydroxymethanesulfonic Acid Sodium Salt; Monosodium Hydroxymethanesulfonate; Sodium Formaldehyde Bisulfite; Sodium Hydroxymethanesulfonate; Sodium Hydroxymethylsulfonate

Product: Formaldehyde Sodium Bisulfite

Structure:



Molecular Formula:

CH₃NaO₄S

Molecular weight:

134.09

Source of Product:

N/A

Solubility:

Methanol (Slightly, Heated),
Water (Slightly)

Lot Number: 20-GHZ-77-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 8.57, %H: 2.03
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.78% (ELSD)
TGA	Report Result	See Additional Information
Water Content	Report Result	19.1% by Karl Fischer
FT-IR	Conforms to Structure	Conforms

Additional Information:

The sample was tested by TGA, initiated in a nitrogen environment. The initial degradation onset temperature was measured at 67.8°C. The second degradation onset temperature was measured at 169.3°C. The environment was changed to air at 800.0°C. The sample had 52.9% of its weight remaining at 996.8°C. Based on expected residual Na₂SO₃ at the end of TGA analysis, the sample contains 5.9% inorganic impurity. No solvent detected based on HNMR.

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Eric Beaton	Toni Rantanen	My Nguyen	11/20/2020	11/18/2027
				