



CERTIFICATE OF ANALYSIS

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1. Identification

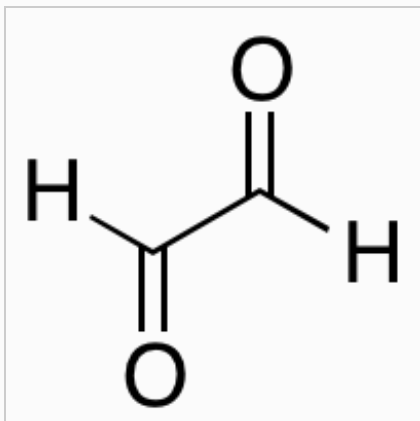
Catalogue Number: G754500

CAS Number: 107-22-2

Product: Glyoxal (40% w/w in H₂O)
(Technical Grade)

Synonym: 1,2-Ethanedione; Aurarez 136; Biformal; Biformyl; Cartabond GH; Cartabond GHF; Daicel GY 60; Diformyl; Earth Works Linkup Plus; Ethanedione; Freechem 40DL; GX; GX (aldehyde); Glyfix CS 50; Glyoxal 40L; Glyoxal T 40; Glyoxal aldehyde; Glyoxazal; Glyoxazal GX; Glyoxylaldehyde; Gohsezel P; Oxal; Oxalaldehyde; Permafresh 114; Protorez BLF-C; XH 536

Structure:



Molecular Formula:

C₂H₂O₂

Molecular weight:

58.04

Source of Product:

N/A

Solubility:

Chloroform, DMSO (Soluble),
Methanol (Sparingly), Water
(Slightly)

Lot Number: 1-PAX-179-1

Purity: Technical Grade

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	Colourless to Pale Yellow Solution	Clear Colourless Solution
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 22.34, %H: 7.39
C NMR	Conforms to Structure	Conforms
Water Content	Report Result	58.0% by Karl Fischer

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Christina Gouliaras	10/31/2022	10/29/2026
