



CERTIFICATE OF ANALYSIS

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1. Identification

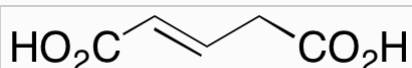
Catalogue Number: G596940

CAS Number: 628-48-8

Product: trans-Glutaconic Acid

Synonym: (E)-2-Pentenedioic Acid; (E)-Glutaconic Acid; trans-Glutaconic Acid; trans-Glutaconic Acid; (2E)-2-Pentenedioic acid

Structure:



Molecular Formula:

C₅H₆O₄

Molecular weight:

130.1

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 2022-QIU-113

Purity: 95%

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 Pale Brown Solid	Pale Brown Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 43.31, %H: 4.54
HPLC Purity	Report Result	97.54% (205 nm)

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
Sarbjeeet Kaur	Toni Rantanen	Chanell Chu	12/13/2022	12/11/2026