

CERTIFICATE OF ANALYSIS

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1. Identification

Product:

Catalogue G765002 CAS 1185107-63-4 Number: Number:

Synonym: N-(Phosphonomethyl)glycine-13C2,15N;

(Carboxymethylamino)methylphosphonic Acid-13C2,15N; Phosphonomethylglycine-13C2,15N; Accord-13C2,15N; Glyphomax-13C2,15N; Rebel Garden-13C2,15N; Roundup

Max-13C2,15N; Silglif-13C2,15N;

Glyphosate-13C2,15N

13C

Н

Structure: ОН Molecular Formula:

> C13C2H815NO5P Molecular weight:

172.05

Source of Product:

Synthetic Solubility:

Methanol (Slightly), Water

(Slightly, Heated)

Lot 14-JUZ-144-2 Number:

Purity: 97%

This Product Is Stable To Be Shipping Condition: Shipped At Room Temperature Storage Condition: -20°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Additional Information:

Tests: Specifications: Results:

White to Off-White Solid **Appearance** White to Light Brown Solid

NMR Conforms to Structure Conforms P NMR Conforms to Structure Conforms Conforms to Structure MS Conforms

N/A

%C: 20.73, %H: 4.57, %N: 7.99 Elemental Analysis Conforms

HPLC Purity 99.85% (ELSD) Report Result >95% 99.8% (d0 = 0.00%)**Isotopic Purity**

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

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** By

Chanell Chu Neha Khanna Toni Rantanen 7/30/2021 7/28/2025