

CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA Tel: (416) 665-9696, Fax: (416) 665-4439

Email:orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

Catalogue T774445 Number:

2,4,5-Trichlorophenoxyacetic Acid Product:

Isobutyl Ester

Structure:

CAS 4938-72-1 Number:

Synonym: (2,4,5-Trichlorophenoxy)acetic Acid 2-

Methylpropyl Ester;

Molecular Formula:

C12H13Cl3O3

Molecular weight:

311.59

Source of Product:

Synthetic

Solubility:

Acetone (Slightly), Chloroform

(Sparingly), Methanol

(Slightly)

Lot Number: 3-LIJ-139-1 Purity: 98%

This Product Is Stable To Be Shipped At Storage Condition: Shippina

Condition: Room Temperature

-20°C

2. Warning

Warning 1: Warning 2: Warning 3:

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3. Analytical Information

Tests: Specifications: Results:

White to Light Brown Waxy Solid Light Brown Waxy Solid Appearance

Conforms to Structure Conforms **NMR**

Elemental Analysis Conforms %C: 46.33, %H: 4.26 **HPLC Purity** Report Result 99.23% (205 nm)

MS 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 \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

C of A Approved **Reviewed By Reviewed By Test Date Retest Date** Ву Evan Burns Toni Rantanen Chanell Chu 3/21/2022 3/19/2026

Evan Burns