

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 P294570 Number:

(R)-a-Phellandrene (Technical

Structure:

Product:

Lot

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

1-MXZ-53-1

CAS 4221-98-1 Number:

Synonym: (5R)-2-Methyl-5-(1-methylethyl)-1,3-

> cyclohexadiene; (R)-(-)-p-Mentha-1,5-diene; (-)-(R)-a-Phellandrene; (-)-a-Phellandrene; (R)-(-)-a-Phellandrene; I-a-Phellandrene

Molecular Formula:

C10H16

Molecular weight:

136.13

Source of Product:

N/A

Solubility:

Benzene (Soluble), Chloroform (Slightly), Methanol (Sparingly)

Purity: Technical Grade (>65%)

Storage Condition: 4°C

2. Warning

Number:

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Clear Colourless Oil **Appearance** Colourless Oil

NMR Conforms to Structure Conforms C NMR Conforms to Structure Conforms MS Conforms to Structure Conforms

Additional Information:

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** Chanell Chu

Toni Rantanen

6/21/2022 6/19/2026

Sarbjeet Kaur