

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 P466610 Number:

CAS 7785-26-4 Number:

Synonym:

(1S,5S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2ene; (1S,5S)-(-)- 2-Pinene; (1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene; (-)-(1S)-a-Pinene; (-)-2-Pinene; (-)-a-Pinene; (1S,5S)-(-

)-a-Pinene; (S)-(-)-a-Pinene; 1S-a-Pinene; Ia-Pinene;

Product: (1S)-(-)-a-Pinene

Structure:

Molecular Formula:

C10H16

Molecular weight:

136.23

Source of Product:

N/A

Solubility:

Chloroform (Sparingly), Methanol (Slightly)

I of

2-HAL-133-1 Number:

Purity: 98%

Shipping

This Product Is Stable To Be **Condition:** Shipped At Room Temperature Storage Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Colourless Oil Clear Colourless Oil

NMR Conforms to Structure Conforms

MS Conforms to Structure Conforms

GC Purity Report Result 98.34%

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

Test Date

Retest Date

Nicole Yip

Toni Rantanen

Chanell Chu

3/31/2023

3/29/2027

