



CERTIFICATE OF ANALYSIS

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1. Identification

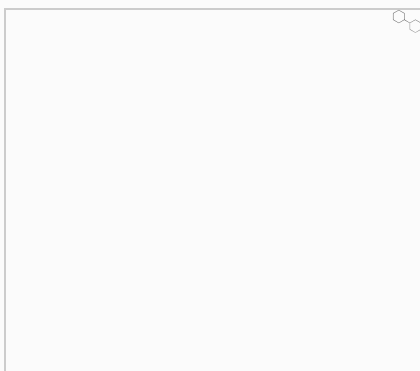
Catalogue Number: B382880

CAS Number: 92-51-3

Product: 1,1'-Bicyclohexyl

Synonym: Bicyclohexyl; Dodecahydro-1,1'-biphenyl; Cyclohexane, cyclohexyl-; Cyclohexylcyclohexane; Dicyclohexane; Dicyclohexyl; Dodecahydrobiphenyl; NSC 59855

Structure:



Molecular Formula:

C₁₂H₂₂

Molecular weight:

166.3

Source of Product:

N/A

Solubility:

DMSO (Sparingly), Ethyl Acetate (Slightly)

Lot Number: 711847853-3-1

Purity: 98%

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

Storage Condition: 20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Oil	Clear Colourless Oli
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 87.00, %H: 13.64
GC Purity	Report Result	99.81%
MS	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
Water Content	Report Result	No Water Detected by Karl Fischer
TGA	Report Result	See Additional Information

Additional Information:

The sample was tested by TGA, initiated in a nitrogen environment. The initial degradation onset temperature was measured at 85.9°C. The environment was changed to air at 800.0°C. The sample had 1.8% of its weight remaining at 996.8°C.

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 By	Test Date	Retest Date
Sarbjit Kaur	Toni Rantanen	Chanell Chu	8/1/2023	7/30/2027
		