



CERTIFICATE OF ANALYSIS

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1. Identification

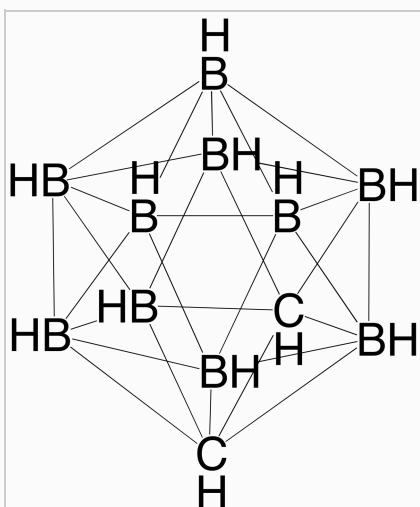
Catalogue Number: B129133

CAS Number: 16872-09-6

Product: Barene

Synonym: 1,2-Dicarbododecaborane(12); 1,2-Dicarbido-carborane; Decaborinene; Dekene; closo-Ortho-carborane; closo-1,2-Dicarbododecaborane; o-Carborane

Structure:



Molecular Formula:

C₂H₁₂B₁₀

Molecular weight:

144.23

Source of Product:

N/A

Solubility:

Chloroform (Sparingly),
DMSO (Slightly), Methanol
(Slightly)

Lot Number: 2023-QIU-097

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 | White to Off-White Solid | White to Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| B NMR | Conforms to Structure | Conforms |
| C NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 16.84, %H: 8.35 |
| GC Purity | Report Result | 99.95% |
| 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 ± 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

Henry Tieu



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

2/13/2023

Retest Date

2/11/2027