



Cambridge Isotope Laboratories, Inc. Certificate of Analysis

Product Name: METHANE
(Isotopic Label & Enrichment Specification) (12C, 99.99%)

Lot Number: I-26836/CC627621

Catalog Number: CLM-392-0

Product Information

Chemical Purity Specification: $\geq 99.5\%$

MW*: 16.03
* For isotopically labeled compounds, MW listed is for the fully enriched product.

Labeled CAS Number: NA

Unlabeled CAS Number: 74-82-8

Chemical Formula: *CH4

Storage: Store at room temperature away from light and moisture.
Stability: Stable if stored under recommended conditions.

Intended Use: For Research Use Only. Not for use in diagnostic procedures.



Certification

Cambridge Isotope Laboratories, Inc. guarantees that this material meets or exceeds the specifications stated. Absolute identity as well as chemical and isotopic purities are assured by the use of unambiguous synthetic routes and multiple chemical analyses whenever possible. Results are representative of QC testing at time of release from Quality Control unless otherwise stated. This COA references the bulk catalog number before packaging. The COA also applies to the CIL finished good catalog number which contains a different suffix such as -0.XX, -XXX, -10xX, -PK, etc. depending on the packaged size.

Approved by: Marina Klionsky

Marina Klionsky, Quality Review

Quality Control Tests and Results

GC for Chemical Purity	99.54%
Mass Spectrometry for Isotopic Enrichment	100.0%

CIL subscribes to the following standards for different products: ISO 17034, ISO/IEC 17025, ISO 13485 and cGMP as appropriate.