



Cambridge Isotope Laboratories, Inc. Product Specifications

Product Name: DEUTERIUM
(Isotopic Label & Enrichment Specification) (D, 99.8%) (D₂, 99.6%+HD, 0.4%)

Catalog Number: DLM-408-0

Product Information

Chemical Purity Specification: $\geq 99.9\%$

MW*: 4.03
* For isotopically labeled compounds, MW listed is for the fully enriched product.

Labeled CAS Number: 7782-39-0

Unlabeled CAS Number: 1333-74-0

Chemical Formula: D₂

Storage: Store at room temperature away from light and moisture.

Stability: Stable if stored under recommended conditions.



Additional Information

The test methods described below represent current testing protocols. CIL reserves the right to use equivalent or superior alternative methods depending on business or technical needs at the time of manufacture.

Test Description	Test Specification
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GC for Chemical Purity	$\geq 99.9\%$
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CO Content	≤ 2 ppm
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CO ₂ Content	≤ 2 ppm
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H ₂ O Content	≤ 5 ppm
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N ₂ Content	≤ 5 ppm
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O ₂ Content	≤ 5 ppm
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Total Hydrocarbon Content	≤ 2 ppm
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Mass Spectrometry for Isotopic Enrichment	$\geq 99.8\%$
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