



## CERTIFICATE OF ANALYSIS

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### 1. Identification

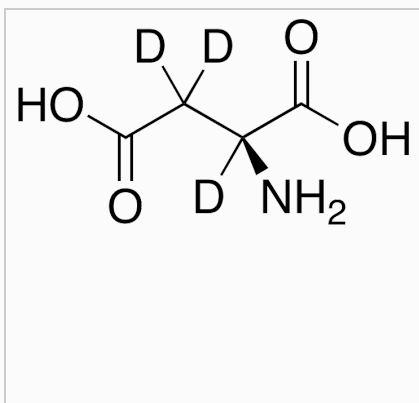
**Catalogue Number:** A790023

**CAS Number:** 3842-25-9

**Product:** L-Aspartic Acid-d3

**Synonym:** (S)-2-Aminobutanedioic Acid-d3; (S)-Aminobutanedioic Acid-d3; L-(+)-Aspartic Acid-d3; L-Aminosuccinic Acid-d3; L-Asparagic Acid-d3; L-Asparaginic Acid-d3; NSC 3973-d3; NSC 79553-d3;

**Structure:**



**Molecular Formula:**

C<sub>4</sub>H<sub>4</sub>D<sub>3</sub>NO<sub>4</sub>

**Molecular weight:**

136.12

**Source of Product:**

Synthetic

**Solubility:**

Aqueous Acid (Slightly),  
Aqueous Base (Slightly),  
Methanol (Slightly)

**Lot Number:** 20-ZEA-174-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 35.06, %H: 5.31, %N: 10.17
Appearance	White to Light Beige Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.5% (d0 = 0.04%)
HPLC Purity	Report Result	99.87% (ELSD)

**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 By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	6/4/2021	6/2/2025