# Certificate of Analysis

## Reference Material & Standard

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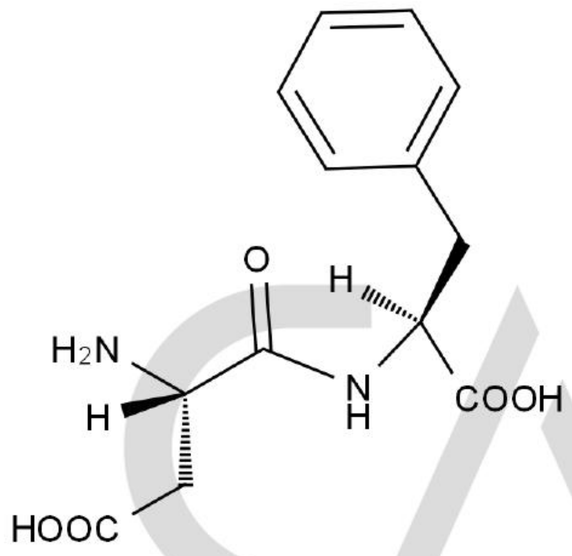
|---|---|---|---|
| **Product Name:** | Aspartame EP Impurity B | **Catalogue Number:** | C4X-11842 |
| **Synonyms:** | N/A | **Lot Number:** | 0625-RH-0039 |
| **CAS Number:** | 13433-09-5 | **Expiry Date:** | Jun 28, 2030 |
| **Molecular Formula:** | $C_{13}H_{16}N_2O_5$ | **Storage:** | 2°C ~ 8°C Protected from light and Sealed |
| **Molecular Weight:** | 280.28 | **Shipping Condition:** | Shipping at Room Temperature |

**Chemical Structure:**




| Test Items | Method | Results |
|---|---|---|
| **Appearance** | Visual inspection | White Solid |
| **Identification** | LCMS&HNMR | Confirmed |
| **Purity** | HPLC | 97.821% |
| **Loss on Drying** | TGA | 1.1968% |
| **Assay** | | 96.7% |



## Comment:

*The calculation of the mass balance method follows the formula (calculated on the non-dried basis):*
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
*Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.*

**Signature:**

Prepared by: Alice Date: Jun 29, 2026

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CATO Research Chemicals Inc.