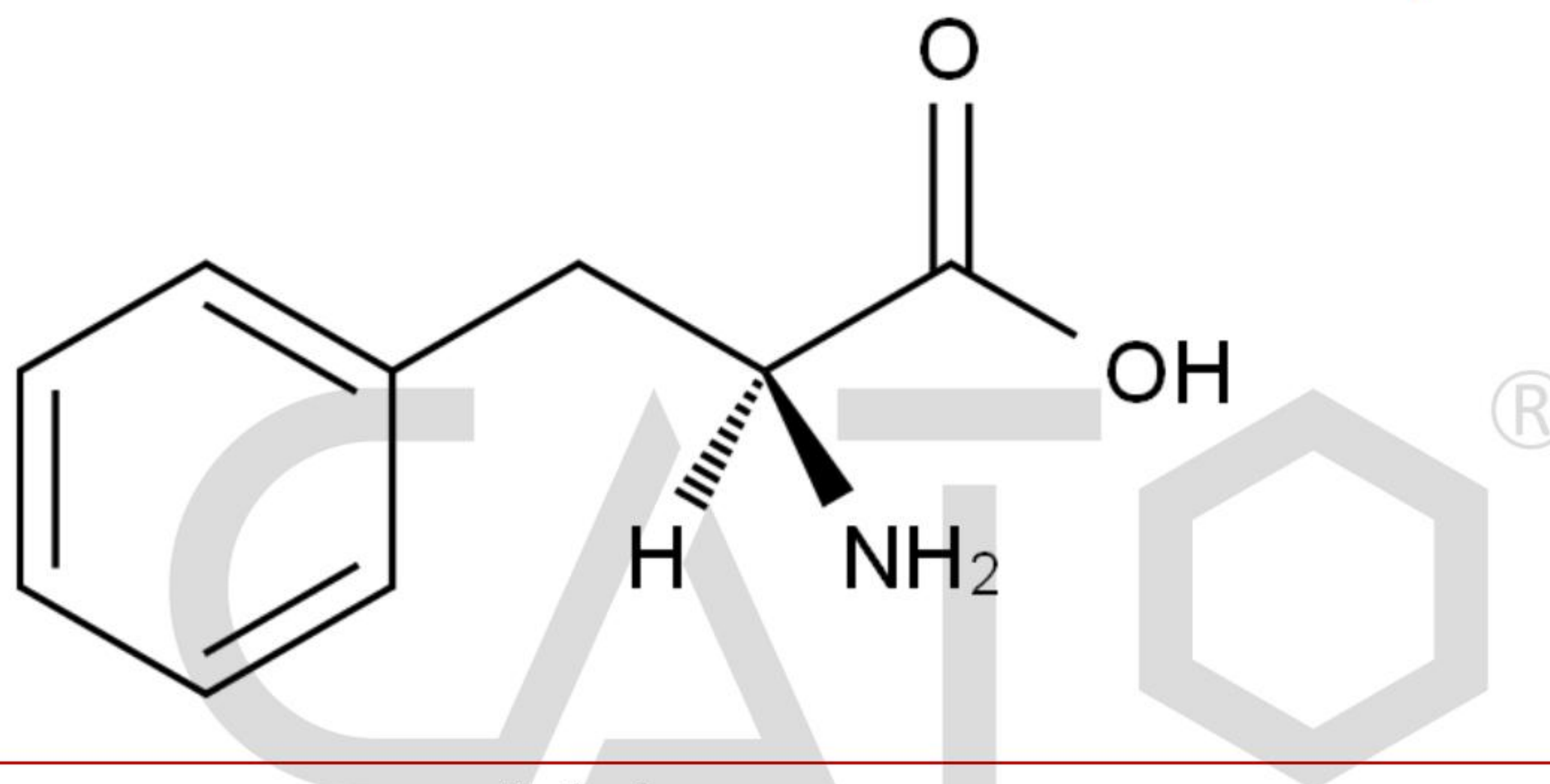


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                |                   |                                                                                     |
|--------------------|------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|
| Product Name:      | Aspartame EP Impurity C                        | Catalogue Number: | C4X-11843                                                                           |
| Synonyms:          | N/A                                            | Lot Number:       | 0307-RA-0013                                                                        |
| CAS Number:        | 63-91-2                                        | Expiry Date:      | May 28, 2028                                                                        |
| Molecular Formula: | C <sub>9</sub> H <sub>11</sub> NO <sub>2</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed                                           |
| Molecular Weight:  | 165.19                                         | Warning:          |  |

Chemical Structure:



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&IR&HNMR      | Confirmed   |
| Purity         | HPLC              | 99.828%     |
| Water Content  | Karl Fischer      | 0.5449%     |
| Assay          |                   | 99.3%       |

## Comment:

1. Catalogue Number has been changed from "CCFD200512" to "C4X-11843". Therefore some of the graphs shown below were named by "CCFD200512".
2. The calculation of the 100% method follows the formula (calculated on the non-dried basis):  

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

## Signature:

Prepared by:

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Reviewed by:

*Lisa*

Approved by General Manager:

*David*

Date: May 29, 2025

Date: May 29, 2025

Date: May 29, 2025

