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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2025

Re-test Date: Sep 2028

**Product Name: Aspartame EP Impurity B**

### Identification:

Chemical Name: (3S)-3-Amino-4-[[[(1S)-1-carboxy-2-phenylethyl]amino]-4-oxobutanoic acid (as per EP)

Synonyms : Aspartame USP Related  
Compound B ;  $\alpha$ -L-aspartyl-L-phenylalanine (EP)

CAS Number : 13433-09-5

CAT Number : CP-A26002

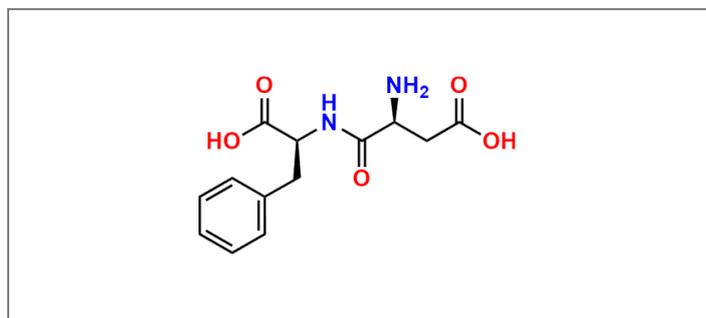
Molecular Formula : C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O<sub>5</sub>

Molecular Weight : 280.28

Batch Number : CP-ASP-B-0723

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.07%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	-
8)	Potency by TGA	-



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.