

Analysis Date: 04-02-2026

Re-test Date: 04-02-2029

## ASPARTAME D5

### Identification

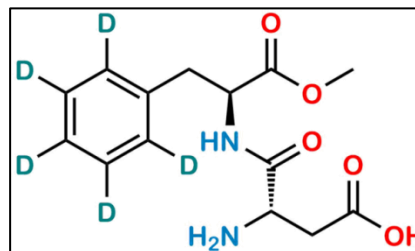
**Chemical Name** : (S)-3-Amino-4-(((S)-1-methoxy-1-oxo-3-(phenyl-d5)propan-2-yl)amino)-4-oxobutanoic acid

**CAT No** : ALL-A04854

**CAS No** : 1356849-17-6

**Molecular Formula** : C<sub>14</sub>H<sub>13</sub>D<sub>5</sub>N<sub>2</sub>O<sub>5</sub>

**Molecular Weight** : 299.3



### Analytical Information

|                              |                                   |                          |           |
|------------------------------|-----------------------------------|--------------------------|-----------|
| <b>Batch No.</b>             | : ALL-A04854                      | <b>HPLC Purity</b>       | : 98.00%  |
| <b>Solubility</b>            | : USP Diluent / EP Diluent (MEOH) | <b>Potency</b>           | : 95.20%  |
| <b>Appearance of Product</b> | : Off White Solid                 | <b>Mass</b>              | : Confirm |
| <b>Long Term Storage</b>     | : 2-8 °C                          | <b>IR Analysis</b>       | : Confirm |
| <b>Weight Loss By TGA</b>    | : 0.190%                          | <b><sup>1</sup>H NMR</b> | : Confirm |
| <b>Residue Of Ignition</b>   | : 2.661%                          |                          |           |

### Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =  
[100 - (0.190+2.661) × 96.01]/100 = 95.20%

**Recommendation** : Released

|                          | Department | Name                               | Signature |
|--------------------------|------------|------------------------------------|-----------|
| Prepared and Reviewed by | Analytical | Mr. Vipul khadase<br>Jr. Executive |           |
| Approved By              | QA&QC      | Dr. Ashish Keche<br>Director QA&QC |           |

**Attachment** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Product are stable to be shipped at room temperature, unless otherwise specified

### Corporate Office

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203