

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 05903

**Product** **L-Aspartic acid  $\beta$ -naphthylamide**

L-Asp- $\beta$ NA

**CAS Number** 635-91-6

**Molecular Formula** C<sub>14</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** 258.3

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**Appearance** White powder

**Solubility** Clear, colorless solution (50 mg/mL in 80% AcOH)

**Elemental Analysis (Theory)** C : 64.8  $\pm$  0.5%, H : 5.5  $\pm$  0.5%, N : 10.8  $\pm$  0.5%  
calc. as 0.08 H<sub>2</sub>O (0.65%)

**Water Content (Karl Fisher)**  $\leq$  1%

**TLC System** n-Butanol/Acetic acid/Water (4:2:2)  
Chloroform/Methanol/Acetic acid 32% (5:3:1)  
Ethylacetate/Pyridine/Acetic acid/Water (60:60:12:36)  
Plate: Silicagel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, TMB

**Assay** 99 - 101% (Elemental analysis, Nth 10.85%, Nfd 10.88%)

**Purity by TLC**  $\geq$  98%

**Storage** Store at 0 - 8 °C

**For Laboratory Use Only**