

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 11685

**Product** ***N*<sup>ε</sup>-Nicotinyl-L-lysine hydrochloride**

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**CAS Number** 158276-23-4

**Molecular Formula** C<sub>12</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub>·HCl

**Molecular Weight** 287.75

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**Appearance** Pale yellowish powder

**Appearance of Solution** Clear, slightly yellowish solution (25 mg/mL in water)

**Anion** Chloride content : ≤ 21%

**Water Content (Karl Fisher)** ≤ 1%

**TLC System** Chloroform/Methanol/Acetic acid 32% (5/3/1)  
n-butanol/Acetic acid/Water (4/2/2)  
Chloroform/Methanol/Acetic acid/Water (60/45/14/6)  
Plate : Silicagel 60 F<sub>254</sub>  
Detected by : UV, Ninhydrin, Chlorine-tolidine

**Residual Solvents** Isopropanol : ≤ 2.7%  
Diisopropanol : ≤ 0.3%  
Ethanol : ≤ 0.3%  
Acetonitrile : ≤ 0.2%

**Assay** ≥ 74% (Nth 16.72% by Elemental analysis)

**Purity by TLC** ≥ 99%

**ESI-MS** M = 251 ± 1 u

**Storage** Store at 0 - 8 °C

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**For Laboratory Use Only**