

Chem-Impex International, Inc.

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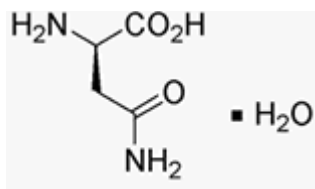
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

| | |
|----------------------------|---|
| Catalogue Number | 00454 |
| Product | D-Asparagine hydrate |
| | D-Asn-OH•H ₂ O |
| | (<i>R</i>)-2-Aminosuccinic acid 4-amide monohydrate |
| CAS Number | 2058-58-4 |
| Molecular Formula | C ₄ H ₈ N ₂ O ₃ •H ₂ O |
| Molecular Weight | 150.1 |
| Appearance | White to off-white powder |
| Heavy Metals | ≤ 10 ppm |
| Anion | Chloride (Cl ⁻): ≤ 0.02% Sulfate (SO ₄ ²⁻): ≤ 0.02% |
| Cation | Arsenic (As ₂ O ₃): ≤ 2 ppm Iron (Fe): ≤ 10 ppm Ammonium (NH ₄ ⁺): ≤ 0.1% |
| Optical Rotation | [α] _D ²⁰ = -35 ± 2° (C=5 in 5N HCl) |
| Loss on Drying | 11.5-12.5% |
| Residue On Ignition | ≤ 0.1% |
| Assay by titration | ≥ 98.5% |
| Storage | Store at 0-8 °C |

For Laboratory Use Only