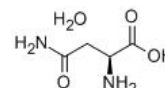


## Technical Data Sheet

### L(+)-Asparagine monohydrate

#### Compound Information

Product Name:	L(+)-Asparagine monohydrate
CAS No.:	5794-13-8
Molecular Formula:	C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	150.13
Storage:	Store at RT
Revision Date:	2026-04-15



#### Analytical Information

Tests	Specifications
Appearance	White crystals or crystalline powder
Heavy Metals	≤10 ppm
Arsenic (As <sub>2</sub> O <sub>2</sub> )	≤1 ppm
Anion	Chloride (Cl <sup>-</sup> ) : ≤0.02%, Sulfate (SO <sub>4</sub> <sup>2-</sup> ) : ≤0.02%
Cation	Ammonium (NH <sub>4</sub> <sup>+</sup> ) : ≤0.1%, Iron (Fe) : ≤10 ppm
pH	4.0-5.5 (20g/l, H <sub>2</sub> O, 20°C)
Specific Rotation	[α] <sub>D20</sub> = +34.2 ° to +36.5 °
Transmission	State of solution : ≥ 98%
LOD	11.5 - 12.5%
Residue On Ignition	≤ 0.1%
Purity	≥ 99%
<a href="#">MS</a>	Pass test
<a href="#"><sup>1</sup>H NMR</a>	Pass test
<a href="#"><sup>13</sup>C NMR</a>	Pass test
<a href="#">IR</a>	Pass test
<a href="#">Raman</a>	Pass test

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