

# Specification

**Formula Hill:** C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub>•H<sub>2</sub>O  
**Molar Mass:** 150,13 g/mol  
**CAS N°:** 5794-13-8

Print Date: 02 April 2024

101292 L-Asparagine monohydrate, Ph. Eur.

## Specifications

Assay (dried substance)	99,0 - 101,0 %
Identity	conforms
Appearance	
- White, almost white or colourless	conforms
- Crystalline powder	conforms
Appearance solution	
- Clear and colourless	conforms
pH (2%)	4,0 - 6,0
Specific rotation	33,7 - 36,0 °
Chloride (Cl)	≤ 0,0200 %
Sulfate (SO <sub>4</sub> )	≤ 0,0200 %
Ammonium (NH <sub>4</sub> )	≤ 0,1 %
Iron (Fe)	≤ 0,0010 %
Releted substances	
- Impurity A	≤ 0,5 %
- Impurity C	≤ 0,1 %
- Unspecified impurities	≤ 0,05 %
- Total impurities	≤ 0,8 %
Loss on drying	10,5 - 12,5 %
Sulfated ash	≤ 0,1 %

The product cannot be considered as an Active Pharmaceutical Ingredient (API)

Conforms to: Ph. Eur. specification