

Specification

Formula Hill: C₄H₇NO₄
Molar Mass: 133,10 g/mol
CAS N°: 56-84-8

Print Date: 27 April 2023

101311 L-Aspartic acid, Ph. Eur., USP

Specifications

Assay (dried subs)	98,5 - 101,5 %
Identity	conforms
Appearance	
- White, almost white or colourless	conforms
- Crystalline powder or crystals	conforms
Appearance of solution	conforms
Solubility	conforms
Specific rotation	24,0 - 26,0 °
Chloride (Cl)	≤ 0,0200 %
Sulfate (SO ₄)	≤ 0,0300 %
Ammonium (NH ₄)	≤ 0,0200 %
Heavy metals (as Pb)	≤ 0,0010 %
Iron (Fe)	≤ 0,0010 %
Chrom. purity (TLC)	
- Any other individual impurity	≤ 0,5 %
- Total impurities	≤ 2,0 %
Ninhydrin-positive substances (TLC)	≤ 0,5 %
Loss on drying (105°C, 3h)	≤ 0,5 %
Sulfated ash	≤ 0,1 %

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

Conforms to: Ph. Eur., USP specification