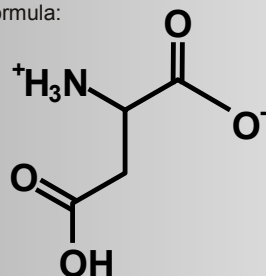


D,L-Aspartic Acid (D,L-ASP)

Formula:



Structural formula:



Mol. weight: 133.10

SYNONYMS:

CAS: D,L-Aminosuccinic acid
D,L-Aspartic acid
CAS RN: [617-45-8]
German: D,L-Aminobernsteinsäure
D,L-Asparaginsäure

HANDLING:

Packing: multiple paper bags of 25 kg net
TSCA: listed

APPLICATIONS:

Production of D,L-Aspartates (K, Mg, Ca, Fe, Na)

SPECIFICATION RL-A 2060/01:

Description: white, odourless powder
Identity: IR-spectrum or TLC
Appearance of solution:
(1g in 20 ml 0.5 M NaOH): clear, colourless
Asparagin: max. 1%
Fumaric acid: max. 0.2%
Maleic acid: max. 0.1%
Related substances: not detectable (TLC)
Loss on drying
(1 g, 105 °C, 3 h): max. 1%
Sulphated ash: max. 0.1%
Ammonium: max. 500 ppm
Sulphate: max. 300 ppm
Heavy metals as Pb: max. 10 ppm
Iron: max. 10 ppm
Specific rotation
[α]_D²⁰: -0.3° to +0.3°
Assay: (acidimetry) 98.0 - 101.0%
calculated on the dry substance