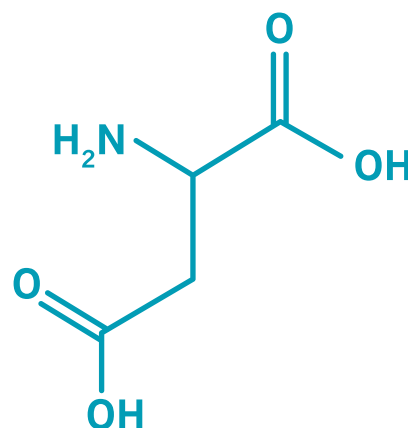


L-ASP

L-ASPARTIC ACID, PURE, KOSHER

L-Aspartic Acid (L-Asp)

Molecular Formula: $C_4H_7NO_4$
Molecular Weight: 133.10 g/mol
CAS Description: L-Aspartic Acid
CAS No.: [56-84-8]
EINECS-No.: 200-291-6
TSCA: listed
German: S-(+)-Aminobernsteinsäure
L-Asparaginsäure



Packaging

Big bags of 500 kg net
Paper bags of 25 kg net

Applications

L-Aspartic Acid (L-Asp) is a widely used chemical intermediate and building block for several chemical production processes. Besides its application in chemical synthesis major fields of applications for L-Asp are as starting material for sweeteners and as building block for biodegradable materials.

Other Properties

Melting point 230 °C
Ignition temperature 470 °C
Solubility in water
at 25 °C 5.3 g/l

ESIM Chemicals GmbH

St.-Peter-Strasse 25, 4020 Linz, Austria
+43 732 6982 - 0
www.esim-chemicals.com | info@esim-chemicals.com

The data in this leaflet corresponds to our latest knowledge, however it is not possible to derive any liability therefrom. Each processor will be himself liable for observation of all regulations, in particular in the field of franchise and patent law.

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L-Asp Quality (selected parameters)

Description colourless or white to
off white powder or crystals

Identity:

IR-Spectrum conform with ref. spectrum

Assay (acidimetric) 98.5- 101.5 %
(calc. on dried substance)

Specific Requirements

This specification contains all test parameters listed in Pharm. Eur. The specification limits at least correspond to the limits listed in Pharm. Eur. Additionally L-Aspartic acid is analyzed for "Fumaric acid", "Nitrate" and "Arsenic". All tests are performed according to internal ESIM Chemicals analytical methods. The determination of "Other amino acids" was verified according to Jap, Pharm. with max. 0.4% and is at least equivalent to Pharm. Eur. with max. 0.5%. The quality fulfills Kosher and Halal requirements.

The above chemical substance was registered in accordance with Regulation (EC) No. 1907/2006 (REACH). The assigned registration number 01-2119966139-27-0000.