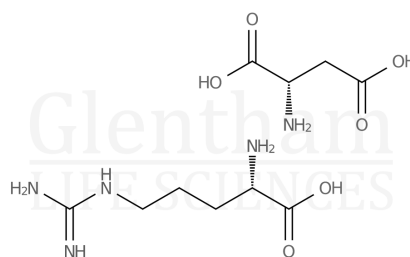


Certificate of Analysis

Product Name L-Arginine L-aspartate
Glentham Code GH1375
CAS Number 7675-83-4
EINECS 231-656-8
MDL-Nummer MFCD00058334
Batch Number 682DWX

Molecular Weight 307.30
Molecular Formula $C_4H_7NO_4 \cdot C_6H_{14}N_4O_2$
Storage Temp. +20°C



Property	Specification	Batch 682DWX
Physical Description	White or almost white crystalline powder	White crystalline powder
Identification (IR)	To conform to standard	Entspricht
Solubility (10% in water)	Clear, colourless solution	Entspricht
pH (10% in water)	5.5 - 7.0	6.4
Specific Optical Rotation ($[\alpha]_{20/D}$)	+24.5 - +28.5 ° (c=8, 6M HCl)	+26.3 °
Chloride (Cl)	≤ 0.05%	Entspricht
Sulphate (SO4)	≤ 0.03%	Entspricht
Ammonium (NH4)	≤ 0.02%	Entspricht
Other Amino Acids	Not detectable	Entspricht
Iron (Fe)	≤ 30ppm	Entspricht
Heavy Metals (as Pb)	≤ 10ppm	Entspricht
Arsenic (As)	≤ 1ppm	Entspricht
Mercury (Hg)	≤ 0.1ppm	Entspricht
Cadmium (Cd)	≤ 1ppm	Entspricht
Residue on Ignition	≤ 0.2%	0.06%
Loss on Drying	≤ 3.0%	0.6%
Assay	98.0 - 101.0 %	99.5%

Specification Version v1.0
Manufacture Date 2020-01-03
Re-Test Date 2028-06-09

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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