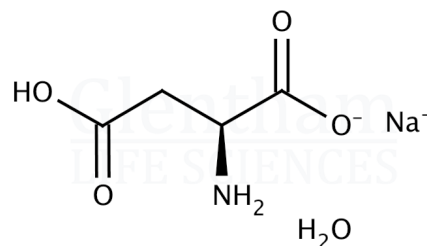


Certificate of Analysis

Product Name	L-Aspartic acid sodium salt monohydrate
Glenthams Code	GM5569
CAS Number	323194-76-9
EINECS	223-264-0
MDL Number	MFCD00152960
PubChem SID	310267068
Batch Number	475FQZ
Molecular Weight	173.11
Molecular Formula	$C_4H_6NNaO_4 \cdot H_2O$
Storage Temp.	+20°C



Property	Specification	Batch 475FQZ
Physical Description	White to almost white crystalline powder or colourless crystals	White crystalline powder
Solubility (10% in water)	Clear, colourless solution	Clear, colourless solution
pH	6.0 - 7.5	7.0
Specific Optical Rotation ($[\alpha]_{20/D}$)	+18.5 - +21.5 ° (c=8, 6M HCl)	+21.0°
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Chloride (Cl)	≤ 0.02%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Loss on Drying	8.0 - 12.0 %	10.9%
Assay (Titration)	98.5 - 101.5 %	99.6%

Specification Version	v1.1
Manufacture Date	2021-01-10
Re-Test Date	2030-01-04

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

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