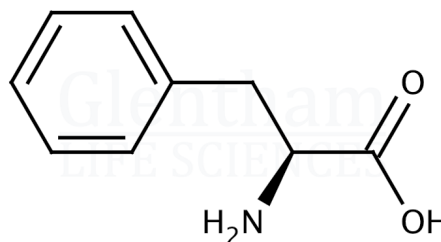


Certificate of Analysis

Product Name L-Phenylalanine
Glenthams Code GM4385
CAS Number 63-91-2
EINECS 200-568-1
MDL Number MFCD00064227
PubChem SID 310278758
Batch Number 426KBT

Molecular Weight 165.19
Molecular Formula $C_9H_{11}NO_2$
Storage Temp. +20°C



Property	Specification	Batch 426KBT
Physical Description	White crystals or crystalline powder	White crystalline powder
Assay	99.0 - 101.0 %	99.64%
Specific Optical Rotation	-35.2 - -33.2 °	-34.25 °
Identification	IR	Conforms
Loss on Drying	≤ 0.2%	0.11%
Residue on Ignition	≤ 0.1%	0.06%
pH	5.4 - 6.0	5.6
Heavy Metals (as Pb)	≤ 20ppm	Conforms
Lead (Pb)	≤ 3ppm	Conforms
Arsenic (As)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 0.1ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms

Specification Version v1.0
Manufacture Date 2021-10-20
Re-Test Date 2029-07-01

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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