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Certificate of Analysis

Product Name L-Arginine hydrochloride

 Glentham Code
 GM7506

 CAS Number
 1119-34-2

 EINECS
 214-275-1

 MDL Number
 MFCD00064550

 PubChem SID
 310267015

 Batch Number
 513PMX

Molecular Weight 210.67

 $\text{Molecular Formula} \qquad \qquad \text{C}_6\text{H}_{14}\text{N}_4\text{O}_2\cdot\text{HCI}$

Storage Temp. +20°C

 $HO \underbrace{ \begin{array}{c} NH_2 \\ \\ N \\ \end{array}}_{NH} \underbrace{ \begin{array}{c} H \\ \\ NH \\ \end{array}}_{NH} \underbrace{ \begin{array}{c} NH_2 \\ \\ NH \\ \end{array}}_{NH}$

HCI

Property	Specification	Batch 513PMX
Physical Description	White to almost white powder	Conforms
Identification (IR)	To conform to structure	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation ($[\alpha]20/D$)	+21.6 - +23.6 ° (c=8, 6M HCl)	+22.1°
Residue on Ignition	≤ 0.1%	Conforms
Sulphate (SO4)	≤ 0.03%	Conforms
Heavy Metals (as Pb)	≤ 20ppm	≤ 10ppm
Chloride (CI)	16.5 - 17.1 %	16.8%
Loss on Drying	≤ 1.0% (105°C, 1h)	0.1%
Assav	98.5 - 101.5 %	99.5%

Specification Version v1.2

Manufacture Date 2022-08-06

Re-Test Date 2030-12-02

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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Page 1 of 1 Printed: 2024-05-14 14:07:03