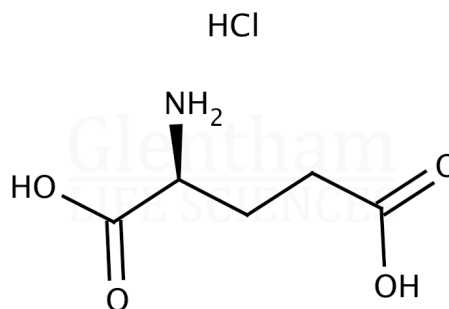


Certificate of Analysis

Product Name	L-Glutamic acid hydrochloride
Glentham Code	GE1700
CAS Number	138-15-8
EINECS	205-315-9
MDL Number	MFCD00012619
PubChem SID	310274224
Batch Number	327KFJ
Molecular Weight	183.59
Molecular Formula	$C_5H_9NO_4HCl$
Storage Temp.	+20°C



Property	Specification	Batch 327KFJ
Physical Description	White to almost white powder	White powder
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+21.5 - +26.5 ° (c=5, water)	+25.5°
Assay (Titration)	≥ 99.0%	99.6%
Specification Version	v1.0	
Manufacture Date	2020-08-08	
Re-Test Date	2030-09-04	

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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