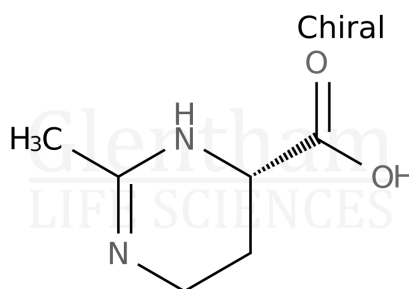


Certificate of Analysis

Product Name	Ectoine
Glentham Code	GE1963
CAS Number	96702-03-3
EINECS	431-910-1
MDL Number	MFCD03419286
Batch Number	789ZCU
Molecular Weight	142.16
Molecular Formula	$C_6H_{10}N_2O_2$
Storage Temp.	+20°C



Property	Specification	Batch 789ZCU
Physical Description	White or off-white crystalline powder or crystals	White crystalline powder
Solubility (1% in methanol)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+165.0 - +175.0 °	165.9°
Water (KF)	≤ 1.0%	0.4%
Hydroxyectoin	≤ 5.0%	Conforms
Purity (HPLC)	≥ 95.0%	99.2%

Specification Version	v1.1
Manufacture Date	2024-10-14
Re-Test Date	2033-02-28

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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