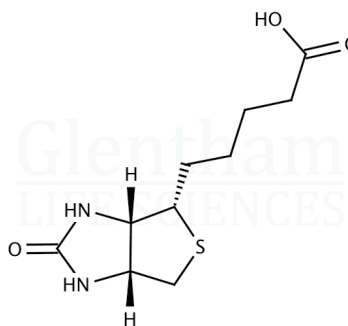


Certificate of Analysis

Product Name	D-(+)-Biotin, EP, USP grade
Glentham Code	GV4685
CAS Number	58-85-5
EINECS	200-399-3
MDL Number	MFCD00005541
PubChem SID	310267833
Additional CAS	22879-79-4
Batch Number	836MEC
Molecular Weight	244.32
Molecular Formula	$C_{10}H_{16}N_2O_3S$
Storage Temp.	+4°C



Property	Specification	Batch 836MEC
Physical Description	White to almost white crystalline powder	White crystalline powder
Identification	According to EP, USP	Conforms
Solubility (1% in 0.1M NaOH)	Clear, colourless solution	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	+89 - +93 ° (c=1, 0.1M NaOH)	+90.5 °
Sulphated Ash	≤ 0.1%	0.05%
Loss on Drying	≤ 1.0%	0.1%
Heavy Metals	≤ 10ppm	≤ 10ppm
Related Substances (TLC)	≤ 0.25%	Conforms
Assay	99.0 - 101.0 % (dried basis)	99.9%
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.0
Manufacture Date	2021-09-24
Re-Test Date	2029-03-24

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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