



## CERTIFICATE OF ANALYSIS

<b>Product Name:</b> Vitamin B7 (H) Biotin	<b>Manufacture Date:</b> 2023.05.25
<b>Batch No:</b> QH2023052578	<b>Analysis Date:</b> 2023.05.30
<b>Batch Quantity:</b> 150kg	<b>Expiration Date:</b> 2025.05.24

Items	Specifications	Results
Description	White or off-white crystalline powder	Complies
IR	Match with the Reference IR Spectrum	Complies
Retention time	Should be similar to that of the reference solution	Complies
Assay	97.5%~100.5%	98.76%
Water	≤5.0%	4ppm
Melting Point	229°C~232°C, in-house	229.5°C~230.5°C
Specific Rotation	+89. ~+93.	+90.61.
Individual impurity	≤1.0%	0.49%
Total impurities	≤2.0%	1.50%
Loss on Drying	≤0.1%, in-house	0.06%
Sulfated ash	≤0.1%, in-house	0.04%
Heavy Metal	≤0.001%, in-house	<0.001%
Arsenic	≤0.0003%, in-house	<0.0001%
Conclusion	Complies with the Standard.	
Storage	Store in a well-closed place with constant low temperature and no direct sun light.	
Shelf life	2 years when properly stored	