



## Certificate of Analysis

### D-Biotin USP

**Catalog Number:** BO1001  
**Lot Number:** 0506904  
**CAS Number:** 58-85-5  
**Synonym(s):** Bios II, Coenzyme R, Vitamin B7, Vitamin H  
**Molecular Formula:**  $C_{10}H_{16}N_2O_3S$   
**Molecular Weight:** 244.31  
**Storage:** 2°C – 8°C  
**Date of Manufacture:** March 9, 2018  
**Retest Date:** March 10, 2024

Test	Specification	Result
Appearance	White to off-white powder	Conforms
Assay (Dry Basis)	98.5% - 101.0%	99.8%
Identification (FTIR)	Positive	Conforms
Melting Point	229.0 – 233.0°C	232.7°C
Specific Rotation	+89.00° to +93.00°	+91.94°
Residual Solvents Toluene	To meet requirements ≤ 100ppm	Conforms < 20ppm
Related Substances Individual Impurity Total Impurities	≤ 1.0% ≤ 2.0%	0.06% 0.06%

Approved by:

Date: May 8, 2019

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