



Specification

D-Biotin USP

Catalog Number: BO1001
CAS Number: 58-85-5
Synonym(s): D-Biotin, 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
Retest Period: Five years from date of manufacture.

Test	Specification
Appearance	White to off-white powder
Assay (Dry Basis)	98.5% - 101.0%
Identification	Positive
Melting Point	229.0 – 233.0°C
Specific Rotation	+89.00° to +93.00°
Organic Volatile Impurities	Meets requirement
Benzene	≤ 2ppm
Toluene	≤ 100ppm
Heavy Metals	≤ 10ppm
Arsenic	≤ 3.00ppm
Cadmium	≤ 1.00ppm
Lead	≤ 2.00ppm
Mercury	≤ 1.00ppm
Total Plate Count	≤ 1,000cfu/g
Yeast & Mold	≤ 100cfu/g
<i>E. coli</i>	Negative
<i>Salmonella</i>	Negative
Mesh Size	90% thru 80mesh

Approved:

Date: December 22, 2015

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