CERTIFICATE OF ANALYSIS

D-BIOTIN

SYNONYMS : Vitamin H
PRODUCT CODE (SKU) : 40200080
MOLECULAR FORMULA : $C_{10}H_{16}N_2O_3S$
MOLECULAR WEIGHT : 244.31 g/mol
CAS NUMBER : 58-85-5
STORAGE TEMP. : 2-8°C
LOT NUMBER : V24101601
REASSAY/ EXP DATE : 10/2029

PROPERTIES	SPECIFICATIONS	TEST RESULTS
Appearance:	Solid Powder	PASS
Color:	White to Off-White	PASS
Purity:	≥98%	99.5%
Solubility:	Clear, Light in Color	PASS
Melting point:	229°-232°C	229.4-230.8°C
Loss on drying:	≤0.2%	0.06%
Bacteria:	E.coli, Salmonella	None Detected
Arsenic:	≤1 mg/kg	0.03 mg/kg
Ash:	≤0.1%	0.04%
Heavy metals:	≤10 mg/kg	PASS
Lead:	≤2 mg/kg	0.05 mg/kg
Specific Rotation:	+89° - +93°	+90.3°
Single Impurity (HPLC):	≤1%	0.2%
Total Impurities (HPLC):	≤2%	0.8%
Total Plate Count:	≤1000 cfu/g	PASS
Yeasts & Molds:	≤100 cfu/g	PASS

APPROVED BY:

DATE:
10-16-2024

Mallory McMullen
Quality Assurance

CREATION DATE: 10-16-2024 PRINT DATE: 10-16-2024
The above information is based upon data received from our supplier or our quality control measurements.

P: 614.792.8680
F: 614.792.8680
E: tech@bio-world.com
W: www.bio-world.com

bioWORLD
4150 Tuller Road
Suite 228
Dublin, OH 43017