

XI'AN HARMONIOUS NATURAL BIO-TECH CO.,LTD

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# Certificate of Analysis

Batch No.: HNB211025

Product Name: **D-Biotin (Vitamin H)**

Manufacture Date: 25<sup>th</sup>,Oct.,2021

Analysis Date: 26<sup>th</sup>,Oct.,2021

Expiry Date: 25<sup>th</sup>,Oct.,2023

Storage: Store in cool & dry place, in well-closed containers.

Shelf life: 24 Months when properly stored.

ITEMS OF ANALYSIS	SPECIFICATIONS	RESULT
Appearance	White Crystalline Powder	Complies
Identification	Should meet the requirements	Complies
Loss on drying	≤ 0.2%	0.04%
Specific optical rotation	+89.0°~ +93.0°	+90.6°
Melting range	229°C~232°C	229.7°C~230.6°C
Ash	≤ 0.1%	0.05%
Solution color and clarity	Solution clarity and the samples should be light in color standard	Complies
Heavy metals	≤ 10 mg/kg	<10 mg/kg
Lead (Pb)	≤ 2 mg/kg	0.05 mg/kg
Arsenic (As)	≤ 1 mg/kg	0.08 mg/kg
Total numbers of colonies	≤ 0.3%	114ppm
Transparent of solution	≤ 1000 cfu/g	<1000 cfu/g
Molds and yeast	≤ 100 cfu/g	<100 cfu/g
Diarrheogenic Escherichia coli.	Not detected (25g)	Not detected
Salmonella	Not detected (25g)	Not detected
Assay (Dry based)	2%	2.4%
Conclusion	Complies with the USP 40 standard	

QC MANAGER:

王翠娟

INSPECTOR:

杨恩远

