

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	D-Biotin	<b>Batch Number:</b>	YT20230120
<b>CAS No.:</b>	58-85-5	<b>Manufacture Date:</b>	Jan.20,2023
<b>Packing:</b>	25kg/drum	<b>Analysis Date:</b>	Jan.23,2023
<b>Quantity:</b>	100kgs	<b>Expiry Date:</b>	Jan.19,2026

ITEM	STANDARD	TEST RESULT
Assay	98.5% - 101.0%	99.40% by HPLC
<b>Physical &amp; Chemical</b>		
Appearance	White to whitelike crystalline powder	Complies
Identification	Positive	Complies
Specific Rotation	+89.0° ~ +93.0°	+90.1°
Melting range(°C)	229°C -232°C	Complies
Loss on Drying	≤0.2%	0.05%
Ash	≤0.1%	0.08%
Solution color and clarity	Solution clarity and the samples should be light in color standard	Complies
<b>Heavy Metal</b>		
Total Heavy Metals	≤10ppm	Complies
As	≤1.0ppm	0.05ppm
Pb	≤2.0ppm	0.06ppm
<b>Microbiological Test</b>		
Single Impurities	≤1.0%	0.5%
Total Impurities	≤2.0%	0.6%
Total Number Of Colonies	≤1,000cfu/g	<1,000cfu/g
Mold and Yeast	≤100cfu/g	<100cfu/g
Diarrheogenic Escherichia Coli	Negative	Negative
Salmonella	Negative	Negative
<b>Conclusion</b>	Conform with Standard	
<b>Storage</b>	Store in cool and dry places. Keep away from strong light and heat	
<b>Packing</b>	By 1kgs/aluminum can, 2kg/carton	
<b>Shelf Life</b>	36 months under the above condition, and in its original package	

**Quality Assurance Officer: Weiqiang Hu**

