



**Certificate of Analysis**

<b>Product name</b>	Vitamin H(biotin)	<b>Manufacture date</b>	Dec.01.2022
<b>Batch number</b>	SW221201	<b>Analysis Date</b>	Dec.02.2022
<b>Batch quantity</b>	20kg	<b>Expiry date</b>	Dec.01.2024

ANALYSIS	SPECIFICATION	RUSULT
Appearance	White crystalline powder	Conforms
Identification	A:IR B:HPLC C:Color Reaction	Conforms
Appearance of solution	Clear and colorless	Conforms
Melting point	231-233 °C(lit.)	Conforms
Particle size	98% through 80 mesh	
Specific rotation	$[\alpha]_{20/D} +91 \pm 2^\circ$ , c = 1% in 0.1 M NaOH	+90 °
Related substances	Meet the requirments	Conforms
Solubility	H2O: 0.2 mg/mL Solubility increases with addition of 1 N NaOH Soluble in hot water, dimethyl sulfoxide, alcohol and benzene	Conforms
Heavy metal	≤10ppm	Conforms
Loss on drying	≤0.1%	0.07%
Sulfated ash	≤0.1%	0.05%
Assay	98.0% biotin	98.3%
Conclusion	Conform with EP6/USP31 standard	

<b>Packing description</b>	Sealed export grade drum & double of sealed plastic bag
<b>Storage</b>	Store in cool & dry place not freeze., keep away from strong light and heat
<b>Shelf life</b>	2 years when properly stored

Quality Assurance Officer



Corrector

Analyst