

CERTIFICATE OF ANALYSIS

Product Name	Biotin		
Batch Number	20220208	Manufacture Date	20220208
CAS NO.	58-85-5	MF	C10H16N2O3S
Report Date	20220208	Expiry Date	20240207

Item of Analysis	Specification	Results
Assay	≥ 98%	99.3%
Organoleptic		
Appearance	Powder	Conforms
Color	A white or almost white powder, free flowing, Readily absorbing moisture	Conforms
Odor	Characteristic	Conforms
Taste	Characteristic	Conforms
Physical Characteristics		
Solubility	Min. 10g:100ml	Conforms
Bulk density	0.61g/ml	Conforms
Solution absorbance	≤0.17	Conforms
Solution clarity	Conforms	Conforms
Loss on drying	≤1.0%	Conforms
Particle size	90% pass through 80 mesh sieve	Conforms
Heavy metals		
Total Heavy Metals	≤10ppm	<10ppm
Lead (Pb)	2ppm NMT	Conform
Arsenic (As)	2ppm NMT	Conform
Cadmium (Cd)	2ppm NMT	Conform
Mercury (Hg)	0.5ppm NMT	Conform
Chloride	≤0.053%	<0.014%
Sulfate	≤0.15%	<0.03%
Microbiological Tests		
Total Plate Count	10,000cfu/g Max	Conform
Coliforms	1000cfu/g Max	Conform
Yeast and mould	100cfu/g Max	Conform
Salmonella	Absent in 25g	Absent
Staphylococcus	Negative	Negative

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

