



# Certificate of Analysis

**Product Name:** Biotin Liposome  
**Lot Number:** 35036  
**Manufacture Date:** November 9, 2023  
**Re-Test Date:** November 9, 2024  
**CAS #'s:** 7732-18-5 & 123465-35-0 & 58-85-5  
**EINECS #'s:** 231-791-2 & N/A & 200-399-3  
**INCI Name:** Water & Phospholipids & Biotin

Specification	Parameter	Result
Appearance	Liquid Liposomal Dispersion	Pass
Odor	Characteristic	Pass
pH (Direct)	4.5 - 6.5	5.6
Particle Size	300 nm Maximum	157
Heavy Metals		
Lead	< 20 ppm	< 20 ppm
Arsenic	< 10 ppm	< 10 ppm
Cadmium	< 2 ppm	< 2 ppm
	< 1 ppm 1.5 units/mg Minimum	< 1 ppm
Microbial Content		
Yeast & Mold	< 100 CFU/g; No pathogens	Pass
Gram Negative Bacteria	< 100 CFU/g	Pass
	0 CFU/g	Pass

**May Sediment upon Standing; Mix Well Prior to Use**

**\*DO NOT FREEZE\***

**\*\*Note: When handling this product please prevent exposure to temperatures outside of the recommended temperature range (23 - 25°C). Excess exposure to extreme temperatures may cause instability.\*\***

**Product may change appearance if exposed to cold temperatures during shipment or storage. If this happens, please gently warm to 45-50°C and mix until normal appearance is restored.**

**QA Signature**                     Tori Hoag                    

**Date**                     December 1, 2023                    

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