

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Sepiwhite MSH /Undecylenoyl-phenylalanine		
<b>CAS</b>	175357-18-3		
<b>Batch Number</b>	20220516	<b>Manufacture Date</b>	20220516
<b>Report Date</b>	20220516	<b>Expiry Date</b>	20240515

Item of Analysis	Specification	Results	Test Methods
Assay	99%	99.2%	HPLC
<b>Organoleptic</b>			
Appearance	Powder	Conforms	Organoleptic
Color	White powder	Conforms	Organoleptic
<b>Physical Characteristics</b>			
Total Nitrogen	3.5-4.5%	3.88%	CP2010
Mineral acid(HCL)	≤0.5%	0.031%	USP
Sulphate ashes	≤1.0%	0	USP
Loss on drying	1%NMT (%)	0.14%	USP<731>
Total ash	1%NMT (%)	0.18%	USP<561>
Free undecylenic acid	≤2%	0.125%	CP2010IA
<b>Heavy metals</b>			
Lead (Pb)	1ppm NMT	Conform	ICP-MS
Arsenic (As)	1ppm NMT	Conform	ICP-MS
Cadmium (Cd)	1ppm NMT	Conform	ICP-MS
Mercury (Hg)	0.5ppm NMT	Conform	ICP-MS
<b>Microbiological Tests</b>			
Total Plate Count	500cfu/g Max	Conform	USP<61>
Yeast & Mold	300cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

**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:

