

CERTIFICATE OF ANALYSIS

Product Name	UNDECYLENOYL PHENYLALANINE
Cas No.	175357-18-3
Lot Number:	Not available (data may vary slightly with different lots or batches)
Expiration Date:	24 months from production date
Storage:	Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat

Item of Analysis	Specification	Results	Method
Assay	99%	99.2%	HPLC
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	White powder	Conforms	Organoleptic
Physical Characteristics			
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
Heavy metals			
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
Microbiological Tests			
Total Plate Count	3000cfu/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>

“Certified in compliance with the terms of the US-Canada Organic Equivalency Arrangement. The above data was obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

All data are as per our supplier.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy themselves as to the suitability & completeness of such information for their own particular use.

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