

LIFTMODE 47 W. Polk St. STE 100-241 Chicago, IL 60605

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## **CERTIFICATE OF ANALYSIS**

## DL-Phenylalanine (2-amino-3-phenylpropanoic acid)

Material Lot #: Country of Origin:	20161006 China		nufacture Date: testing Date:	10/07/2016 10/06/2018	
Analysis		Claim		Result	
DL-Phenylalanine		≥99.0%		99.1%	
Test		Specification		Result	
Appearance		White crystals or crystallin	ie powder	Complies	
Loss on drying		≤0.20%		0.1%	
Residue on ignition		≤0.30%		0.15%	
Heavy Metals		≤10 ppm		Complies	
Arsenic (As2O3)		≤1 ppm		Complies	
Cadmium (Cd)		≤1 ppm		Complies	
Lead (Pb)		≤3 ppm		Complies	
Mercury (hg)		≤0.1 ppm		Complies	
Total Plate Count		≤1000 cfu/g		Complies	
Yeast & Mould		≤100 cfu/g		Complies	
Coliforms		Negative		Negative	
E. Coli		Negative		Negative	
Salmonella		Negative		Negative	
Staphylococcus Aureu	IS	Negative		Negative	

DL-Phenylalanine should be stored at or below room temperature in a tightly sealed durable container. DL-Phenylalanine should be protected from excess heat, direct sunlight, excess humidity and moisture. DL-Phenylalanine has a stable shelf life of 3 years from the date of manufacture when properly stored.



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Product Name	DL-Phenylalanine	Client Lot Number	20161006
Report Date	03/10/17	Laboratory #	8328

Test	Method	Result
Identification	Proton NMR	Conforms
Phenibut HCL	CA-085 (HPLC-UV)	98.9 %
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	<0.001 ppm
Lead	ICP-MS USP <730>	0.026ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Collin Thomas Laboratory Manager

03/10/2017 3/10/17 Date

