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Lift Alode

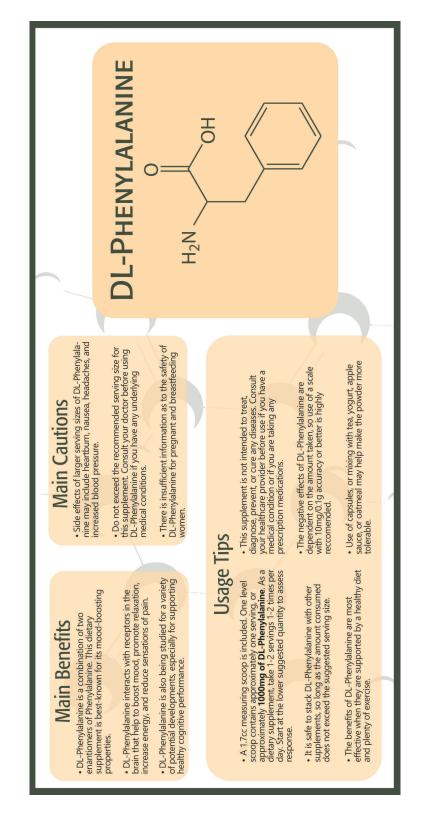
DL-Phenylalanine

(2-amino-3-phenylpropanoic acid)

Material Lot #: Country of Origin:	20161006 China	Test Date: Re-Test Date:	04/04/2021 04/01/2024
	Analysis	Claim	Result
DL-Phenylalanine		≥99%	100.3%

Test	Specification	Result	
Identification (H-NMR)	Conforms to Structure	Conforms	
DL-Phenylalanine (HPLC)	≥99%	100.3%	
Moisture (Loss on Drying)	≤0.2%	0.1%	
Heavy Metals			
Lead	≤1 ppm	<0.00500 ppm	
Mercury	≤1 ppm	<0.00500 ppm	
Cadmium	≤1 ppm	<0.00500 ppm	
Arsenic	≤1 ppm	<0.0100 ppm	
Total Aerobic Plate Count	<1000 cfu/g	10 (est) cfu/g	
Yeast	<100 cfu/g	<10 cfu/g	
Moulds	<100 cfu/g	<10 cfu/g	
Escherichia coli	<10 cfu/g	<10 cfu/g	
Coliforms	<10 cfu/g	<10 cfu/g	
Salmonella	Not Detected per 25 g	Not Detected per 25 g	
Staphylococcus aureus	<10 cfu/g	<10 cfu/g	

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 retesting period of 3 years from the date of analysis when properly stored.



Joseph Watkins 1442 W. Fulton Street Chicago, IL 60607

ANALYTICAL REPORT

AR-21-QH-017961-01

Client Code: QH0000902 PO Number: 20103001 20161006 Received On: 23Mar2021 Reported On: 04Apr2021

Synaptent

Joseph Watkins 1442 W. Fulton Street Chicago, IL 60607

Eurofins Sample Code: 477-2021-03230138

ANALYTICAL REPORT AR-21-QH-017961-01

Client Code: QH0000902 PO Number: 20103001 20161006

Received On: 23Mar2021 Reported On: 04Apr2021

Eurofins Sample Code:477-2021-03Client Sample Code:20161006Sample Description:DL-Phenylala		Sample Registra Condition Upon Sample Reference		C	
UMVSE - Aerobic Plate Count - CMME Chapter 8.72	F Reference CMMEF Chapte	er 8.72	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 25Mar2021	
Parameter Aerobic Plate Count	Result 10 (est) cfu/g				
UMIB1 - Yeast - FDA BAM Chapter 18 mod.	Reference FDA BAM Chap	ter 18 mod.		Completed 28Mar2021	
Parameter Yeast	Result < 10 cfu/g				
Parameter Moulds	Result < 10 cfu/g				
UMGWS - Total Coliforms - CMMEF Chapter 8.7	Reference CMMEF Chapte	er 8.7		Completed 24Mar2021	
Parameter Coliforms	Result < 10 cfu/g				
UMCB1 - E. coli - CMMEF Chapter 9.9	33 Reference CMMEF Chapte	er 9.933	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 24Mar2021	
Parameter Escherichia coli	Result < 10 cfu/g				
FS001 - Heavy Metals (As, Cd, Hg, and Pb)		and 993.14 (modifi	Accreditation ed) ISO/IEC 17025:2017 A2LA 2918.01	Completed 03Apr2021	Sub 1
	Page	2 of 4		4/4/21 8:36	am

Client Sample Code: 20161006 Sample Description: DL-Phenylalani		ceipt: acceptable, 20.5°C 20161006	;	
FS001 - Heavy Metals (As, Cd, Hg, and Pb)	Reference AOAC 2011.19 and 993.14 (modified)	Accreditation ISO/IEC 17025:2017 A2LA 2918.01	Completed 03Apr2021	Sub 1
Parameter Arsenic Cadmium Lead Mercury	Result <10.0 ppb <5.00 ppb <5.00 ppb <5.00 ppb			
FS0A8 - Loss on Drying	Reference Current USP/NF		Completed 03Apr2021	Sub 1
Parameter Method Reference Moisture	Result DL-Phenlyalanine 0.1 %			
UMDTC - Salmonella species - AOAC-RI 121501	Reference AOAC-RI 121501	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 24Mar2021	
Parameter Salmonella	Result Not Detected per 25 g			
UMHBM - Staphylococcus aureus - BAN Chapter 12	BAM Chapter 12	Accreditation ISO/IEC 17025:2017 A2LA 3329.07	Completed 25Mar2021	
Parameter Staphylococcus aureus	Result < 10 cfu/g			
FSFCC - Testing by FCC Monograph	Reference Current FCC		Completed 04Apr2021	Sub 1
Parameter Assay	Result 100.3 %			

Sample Registration Date: 23Mar2021

Subcontracting partners: 1 - Eurofins Food Chemistry Testing US Madison, WI

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812 Meadowlark Lane, Goodlettsville, TN 37072 Telephone: 615-239-8604

Certificate of Analysis

Synaptent LLC 47 W Polk Street, 100-241 Chicago, IL 60654

					1	
Product Name	DL-Phenylalanine		Product Lot Number		20161006	
Report Date	12/04/2018		Laboratory Number		8328	
<u>.</u>						
Description		Method		Result		
Identification		1H NMR		Conforms		
DL-Phenylalanine Assay		HPLC		98.9 %		
Lead		ICP-MS		<0.001 ppm		
Arsenic		ICP-MS		<0.001 ppm		
Cadmium		ICP-MS		0.026 ppm		
Mercury		ICP-MS		<0.001 ppm		

Michael Robail

Michael Robil QA Auditor

12/04/18 12/04/2018 Date

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