

Title: **L-Lysine 500 mg, 100 Vegetarian Capsules**

Allergy Research Group® / NutriCology®

Document No.: 70600CA

Revision: 008

Certificate of Analysis

Part Number	70600		
Lot Number	00621		
Product Count & Form	100 Vegetarian Capsules		
Packaging, Closure	225 cc bottle, desiccant, rayon/cotton		
Storage Condition	Room Temperature		
Shelf Life	36 months	Expiration Date	06/2023
Label Number, Size	70600L, D		
Retain Sample	2 bottles total		

ANALYSIS

Physical

Attribute	Method / SOP	Specification	Test Result
Product Color, Size	SOP 515	White, clear size "00"	Complies
Product Weight	SOP 514	Meet USP <2091> 730 – 1000 mg	Pass, 823 mg
Disintegration Time	SOP 522	Meet USP <2040>	Passes, 18:00 mins

Purity / Strength per Capsule

Active Ingredient	Label Claim	Specification	Test Result
L-Lysine HCl	500 mg	100-150% LC by HPLC	663 mg/capsule
Other Ingredients			
Hydroxypropyl methylcellulose, Microcrystalline cellulose, L-Leucine			

*Production and Process Control

Identification \ Chemical \ Heavy Metals


Attribute	Method / SOP	Specification	Test Result
Identity	Bulk Certificate of Analysis Review	Approved	Approved
Identity	Near Infrared Spectroscopy	Matches reference	Complies
Arsenic (inorganic)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	0.018 ppm/capsule
Cadmium	ICP-MS per USP <2232>	≤ 5 mcg/day Ψ	0.002 ppm/capsule
Mercury (total)	ICP-MS per USP <2232>	≤ 15 mcg/day Ψ	BQL
Lead	ICP-MS per USP <2232>	≤ 10 mcg/day Ψ	0.024 ppm/capsule

Ψ – Permitted Daily Exposure, *Production and Process Control, BQL – Below Quantitative Level, *Production and Process Control

Microbiology

Attribute	Method / SOP	Specification	Test Result
Total Aerobic Count	USP/ AOAC/ FDA BAM	≤ 1 x 10 ³ CFU/g	< 10 CFU/g
Total Yeast & Mold	USP/ AOAC/ FDA BAM	≤ 1 x 10 ² CFU/g	< 10 CFU/g
Coliform	USP/ AOAC/ FDA BAM	≤ 1 x 10 ² CFU/g	< 10 CFU/g
Escherichia coli	USP/ AOAC/ FDA BAM	None Detected	None Detected
Staphylococcus aureus	USP/ AOAC/ FDA BAM	None Detected	None Detected
Salmonella	USP/ AOAC/ FDA BAM	None Detected	None Detected

*Production and Process Control

Approval: 	Casey Van Wagoner 2020.08.07 13:49:24 -06'00'	Date: 07AUG2020
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If you liked our service, please tell a friend. If you didn't, please tell us!

Test Certificate

Description: L-Lysine
Sample ID: 40600
Lot No: 00621
Location:
Received: 6/25/2020
Completed: 7/2/2020

Client: Allergy Research Group
2300 S Main St
Salt Lake City, UT 84115

Lab No: 198946-01

Analysis	Result	Per Unit	Specifications	Method
Mercury	<0.001	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Lead	0.029	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Arsenic	0.022	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Cadmium	0.002	µg/g	< 0.5 µg/g	ICP-MS USP <730>
Total Aerobic Microbial Count	<10	CFU/g	<= 1,000 CFU/g	USP <2021>
Coliform	<10	CFU/g	<= 100 CFU/g	AOAC 991.14
E.Coli	Absent	per 10 grams	Absent	USP <2022>
Staphylococcus aureus	Absent	per 10 grams	Absent	USP <2022>
Salmonella	Absent	per 10 grams	Absent	USP <2022>
Total Yeast & Mold	<10	CFU/g	<= 100 CFU/g	USP <2021>
Yeast *	<10	CFU/g	<= 100 CFU/g	USP <2021>
Mold *	<10	CFU/g	<= 100 CFU/g	USP <2021>

* For informational purposes only.

THESE RESULTS APPLY ONLY TO THE SAMPLE SUBMITTED AND NOT TO THE PRODUCT FROM WHICH IT WAS TAKEN. THESE RESULTS ARE PROVIDED ONLY FOR THE BENEFIT OF CLIENT, WITHOUT REPRESENTATION OR WARRANTY OF ANY KIND, EXCEPT FOR THE EXPRESS LIMITED WARRANTY PROVIDED SOLELY TO CLIENT IN ADVANCED LABORATORIES' TERMS OF SERVICE.

THIS CERTIFICATE SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL FROM ADVANCED LABORATORIES.

Results Approved By:


Kristina Noll - Quality Technician

Dated:

7/2/2020

Printed: 7/2/2020 11:38:11 AM





Micro Quality Labs, Inc.

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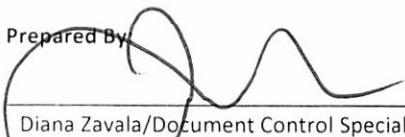
ANALYTICAL/CHEMICAL CERTIFICATE OF ANALYSIS

Sample Name: **L-LYSINE**
Product Code: 40600
Batch/Lot: 00621
MQL Accession: 200630-0235

PO#: 77757-22
Sample Description: BULK
Rush: N/A
Received Date: 06/30/20

Test Requested:	Test Method:	Specification:	Results:
L-Lysine HCL	MQLTM-0214 By HPLC	NLT 500 mg/cap	663 mg/cap

Prepared By:


Diana Zavala/Document Control Specialist

JUL 07 2020

07/07/20
JUL 07 2020

Reviewed By:


Sade Rodriguez/QA Reviewer

07/07/20

The aforementioned results on this report are representative of the samples submitted and may not be indicative of the entire manufacture, batch, and/or lot. Applicable current GMP's shall always be used when sampling. GLP's shall always be practiced by Micro Quality Labs to ensure the most accurate results.

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