

BioCeuticals Research & Development Analytical Laboratory

Division of All American Pharmaceutical & Natural Foods Corporation

2376 Main Street

Billings, MT 59105 U.S.A.

406-245-5793 EXT 208 Fax: 406-238-1846

E Mail: marciam@allamericanpharmaceutical.com

www.allamericanpharmaceutical.com

Certificate of Analysis

Customer	All American EFX	Item	Glutazorb Capsules	Date	October 06, 2011
Product Code	CO# C497	Lot Number	1320800		
Amount/Container	120 capsules	Shelf Life	60 months		
Manufacture Date	October 2011	Expire Date	September 2016		
Manufacture: All American Pharmaceutical, 2376 Main Street, Billings, MT 59105					
Storage: Keep lid tightly closed in a cool, dry place away from children					
TEST	TESTING METHOD	SPECIFICATION	RESULTS		
1) Loss on Drying	USP	<5%	Conforms		
2) Solution	SENSORY	White Powder Clear Capsules	White Clear Capsules		
3) Residue of Ignition	USP	<1	Passes		
4) Heavy Metals:					
Lead (PB)	ICP	<10ppm	0		
Cadmium (CD)	ICP	<1ppm	0		
Arsenic (AS)	ICP	<1ppm	0		
Mercury (HG)	ICP	<1ppm	0		
5) Other Metals	ICP	<1ppm	0		
6) Assay (dry basis)	HPLC/FTNIR	95.0% min	99.3%		
Active Ingredients: <i>Ingredients per(2) capsule:</i>					
GlutaZorb® <i>(Organically Enhanced Glutamine)</i>		1500 mg			
Other Ingredients		maltodextrin, silica, magnesium stearate			
7) Moisture	USP	3.7%	Passes		
Contaminant Testing					
8) 19-Norandrostendione	GC-MS	0/g	0		
9) 19-Norandrostendiol	GC-MS	0/g	0		
10) Caffeine	GC-MS	0/g	0		

11) Ephedrine	GC-MS	0/g	0
13) Anthrax	GC-MS	0/g	0
14) Steroid & Derivatives	GC-MS	0/g	0
Microbiological			
A) Total Plate Count	USP	5000/g max	<5000
B) Yeast/ Mold	USP	50 cfu/g	<50
C) Coliform/ E.coli	USP	Negative/g	0
D) Listeria	USP	Negative/g	0
E) Salmonella	USP	Negative/g	0
12) Country of Origin	Made in USA		

Certification Statement

All products manufactured by All American Pharmaceutical are Free from Irradiation and GMO free

I hereby certify that the above information is authentic and accurate. This batch of product has been manufactured, including packaging and quality control at the above-mentioned site in full compliance with the Food & Drug Administration (FDA of the United States of America) requirements of the local regulatory authority.

Marcia Mickulin

Marcia Mickulin

QC Assistant