



LIFTMODE
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CERTIFICATE OF ANALYSIS

Phenibut HCL (β-phenyl-γ-aminobutyric acid HCL)

Material Lot #: Capsules-1701074 / 20161002 Manufacture Date: 10/14/2016
Country of Origin: China Expiration Date: 10/13/2019

Analysis	Claim	Result
Phenibut HCL	≥99.5%	100.12%

Test	Specification	Result
Appearance	Almost White Crystal	Complies
Related Substances	≤0.1	Complies
Clarity of Solution	≤ 1#	Complies
Iron %	≤0.005%	Complies
Melting Point	194.0~202.0°C	197~198.6°C
pH	2.3-2.7	2.3
Loss on Drying	≤0.5%	0.06%
Residue on Ignition	≤0.1%	0.01%
Mesh Size	15-30 Mesh	Conforms
Heavy Metals (µg/g)	≤10 ppm	Conforms

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



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Product Name	Phenibut HCL	Product Lot Number	20161002
Report Date	12/02/16	Laboratory Number	8004

Test	Method	Results
Phenibut HCL	CA-073 (HPLC-UV)	100.4%
Identification	¹ H-NMR	Positive
Lead	ICP-MS USP <730>	0.067 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.001 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Connor Holt
QA Auditor

12/02/2016
Date

Connor Holt

12-02-16



CERTIFICATE OF ANALYSIS Work Order Number: 6111739

Date Reported: 12/9/2016
Date Received: 11/29/2016
Customer #: AS956
Customer P.O.: CC on file

Supplement Testing

Sample#: 6111739-01

Description: Phenibut FAA (>99.5%) / 20160802

Date and Time Sampled: 11/29/2016 0:00

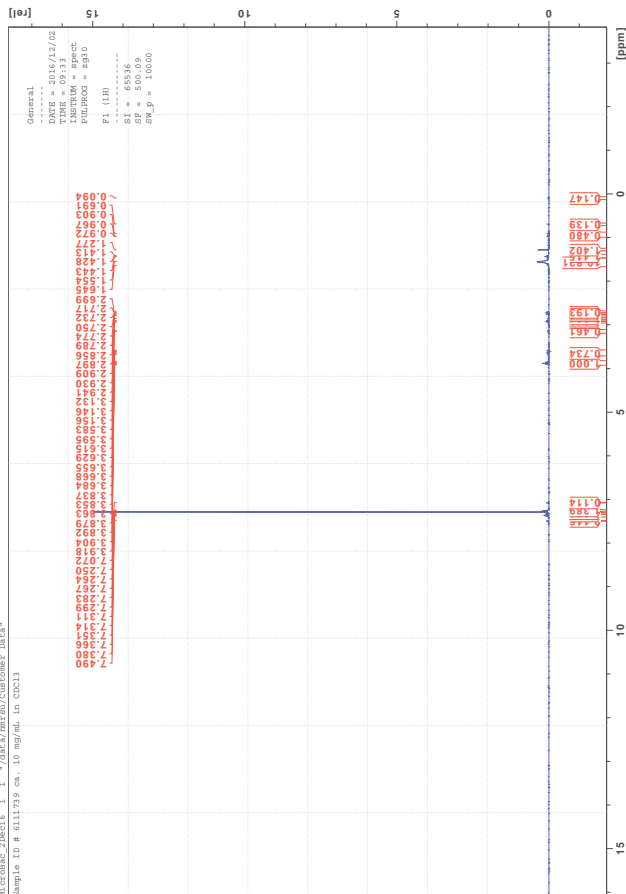
Analysis Performed by: Microbac Laboratories Inc., Pittsburgh Division

Food Chemistry Analysis	Method	Qualifier	Result	Units	Date	Time	Tech
Phenibut	LC/MS/MS		100	%	11/30/16	16:08	HEF
NMR	NMR		See Attached	No Units	12/09/16	17:00	MMS

Analysis Performed by: Microbac Laboratories, Inc. - Chicagoland

Metals Analysis	Method	Qualifier	Result	Units	Date	Time	Tech
Arsenic	SW-846 6020B		<0.0094	mg/Kg	12/02/16	13:24	SA
Cadmium	SW-846 6020B		<0.0094	mg/Kg	12/02/16	13:24	SA
Lead	SW-846 6020B		<0.0094	mg/Kg	12/02/16	13:24	SA
Mercury	SW-846 6020B		<0.0019	mg/Kg	12/02/16	13:24	SA

All samples were made to ca. 10 mg/mL in CDCl₃, and all samples exhibited some level of insolubility.



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Microbac Laboratories, Inc.

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