



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

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## CERTIFICATE OF ANALYSIS

### Phenibut Free Amino Acid

(β-phenyl-γ-aminobutyric acid)

Material Lot #: 20180501      Manufacture Date: 05/03/2018  
Country of Origin: China      Expiration Date: 06/13/2021

Analysis	Claim	Result
Phenibut FAA	≥99.5%	99.51%

Test	Specification	Result
Appearance	White or almost white powder	Complies
Relative Material	≤0.1	Complies
Water %	≤0.5%	0.16%
Residue on Ignition	≤0.1	0.07
Assay %	≥99.0%	99.51%

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



Colmaric Analyticals, LLC


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

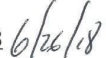
### Certificate of Analysis

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

Product Name	Phenibut Free Acid	Product Lot Number	PIV20180501
Report Date	06/26/18	Laboratory Number	10392

Description	Method	Result
Identification	Proton NMR	Conforms to structure
Assay	CA-073 (HPLC)	100.2%
Lead	ICP-MS USP <730>	0.007 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.006 ppm
Mercury	ICP-MS USP <730>	0.429 ppm
Total Aerobic Count	Biolumix	<100 CFU/g
Yeast and Mold	Biolumix	<100 CFU/g
E.Coli	Biolumix	Negative
Coliform	Biolumix	<10 CFU/g
Salmonella	Biolumix	Negative

Collin Thomas   
Laboratory Manager

06/26/2018   
Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.

1H NMR of Phenibut Free Acid  
in DMSO + DCI  
Lot # 10392  
Colmaric Analytical  
400 MHz  
06-11-18

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Current Data Parameters
NAME      Unil-2018-cclharic
EXPNO     3
PROCNO    1

F2 - Acquisition Parameters
Date_     20180611
Time      12.50
INSTRUM   spect
PROBHD    5 mm PABBO BB-
PULPROG   zgpg30
TD         32768
SOLVENT   DMSO
NS         32
DS         0
SWH        5208.335 Hz
FIDRES     0.188945 Hz
AQ         3.1457281 sec
RG         71.8
LW         96.000 usec
DE         25.61 usec
TE         298.2 K
D1         1.50000000 sec
TD0        1

===== CHANNEL f1 =====
NUC1       1H
P1         11.30 usec
PL1        -2.50 dB
PLLW       18.35869598 W
SFO1       400.1320007 MHz

F2 - Processing parameters
SI         32768
SF         400.1300071 MHz
WDW        EM
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