



LIFTMODE
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CERTIFICATE OF ANALYSIS

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

Material Lot #: 20180702 Manufacture Date: 07/16/2018
Country of Origin: China Expiration Date: 08/12/2021

Analysis	Claim	Result
Phenibut HCL	≥99.5%	100.14%

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	198.8-200.5°C
pH	2.3-2.7	2.55
Loss on Drying	≤0.5%	0.05%
Residue on Ignition	≤0.1%	0.02%
Mesh Size	15-30 Mesh	Conforms
Heavy Metals (µg/g)	≤10 ppm	Conforms

Product Name	Phenibut HCL	Product Lot Number	20180702
Report Date	08/13/2018	Laboratory Number	10684

Description	Method	Result
Assay	HPLC	99.5 %
Lead	ICP-MS	0.014 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	0.003 ppm
Mercury	ICP-MS	0.048 ppm
Identification	1H-NMR	Conforms

Michael Robil
Michael Robil
QA Auditor

08/13/18
08/13/2018
Date

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.

1H NMR of Phenibut HCl
in DMSO
Lot # 10684
Colmaric Analytical
400 MHz
8-8-18

Current Data Parameters
NAME Aug8-2018-colmaric
EXPNO 3
PROCNO 1
F2 - Acquisition Parameters
Date_ 20180808
Time 11:04
INSTRUM spect
PROBHD 5 mm F4000 QNP-
PULPROG zgpg30
TD 32768
TE 327.68
SOLVENT DMSO
NS 32
DS 0
SWH 3200.333 Hz
FIDRES 0.158846 Hz
AQ 3.1437281 sec
RG 40.3
SW 96.000 usec
DE 25.41 usec
TE 328.0 K
D1 1.5000000 sec
TD0 1
----- CHANNEL f1 -----
NUC1 1H
P1 11.28 usec
PL1 -2.50 dB
PC1M 18.3869938 W
SFO1 400.132007 MHz
F2 - Processing parameters
SI 32768
SF 400.130065 MHz
WDW EM

