



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

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CERTIFICATE OF ANALYSIS

Phenylpiracetam

(4-Phenyl-2-pyrrolidone-1-acetamide)

Material Lot #: 20160121 Manufacture Date: 01/22/2016
Country of Origin: China Expiration Date: 01/21/2019

Analysis	Claim	Result
Phenylpiracetam	≥99.5%	99.86%

Test	Specification	Result
Appearance	White Powder	Complies
Residue on ignition	≤0.2%	0.09%
Loss on drying	≤0.5%	0.23%
Heavy Metals (µg/g)	≤10 ppm	Complies

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



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(4-Phenyl-2-pyrrolidone-1-acetamide)

Laboratory Number: 6698

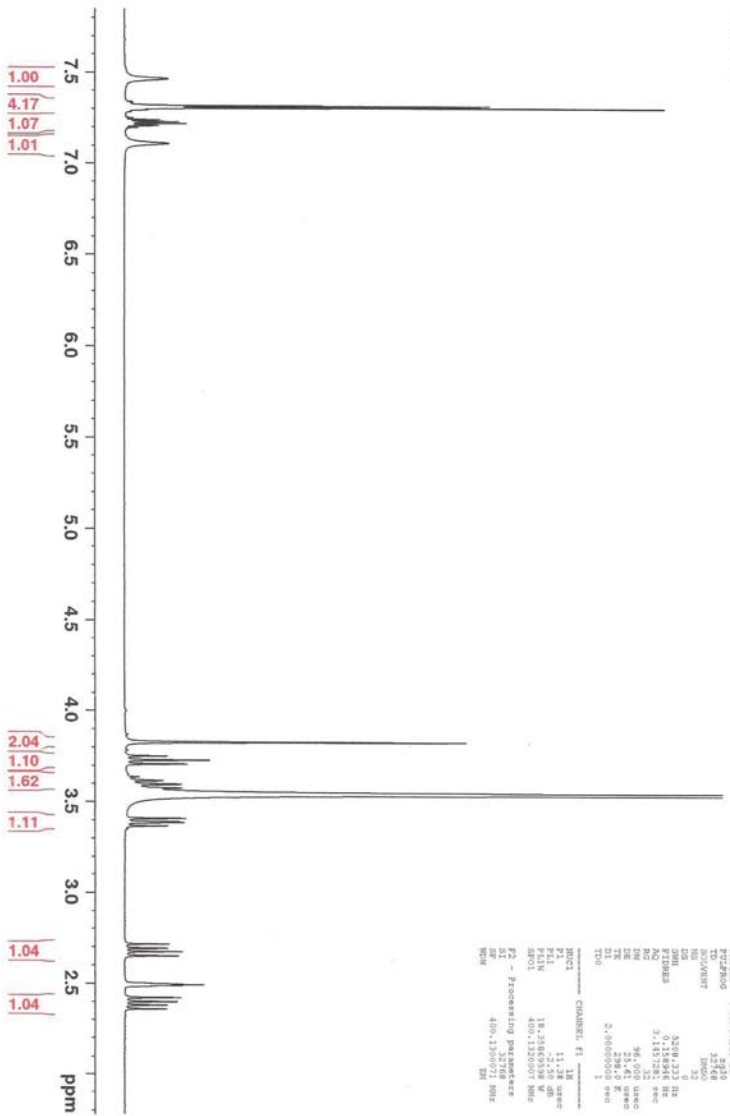
Product Name	Phenylpiracetam	Client Lot Number	20160121
Report Date	03/15/16	Order #	SNT_0127

Test	Method	Result
Identification	H-NMR	Conforms
Assay	HPLC	101.1%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	<0.001
Cadmium	ICP-MS	0.002
Lead	ICP-MS	0.011
Mercury	ICP-MS	0.002

Collin Thomas *CT*
Laboratory Manager

03/15/2016 3/15/16
Date

¹H NMR of Phenylpiracetam
 In DMSO
 Lot #6698
 400 MHz
 Colmaric Analytical
 03-09-16



Current Data Parameters
 NAME: H409-3124-002.malis
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_: 20100929
 Time: 11:11:02
 INSTRUM: spect
 PULPROG: zgpg30
 PROCNO: 3 and 3040-5180
 FIDRES: 0.163480
 TD: 65536
 TO: 0.00000000
 SOLVENT: DMSO
 NS: 512
 DS: 4
 SWH: 5209.232 Hz
 FIDRES: 0.118996 Hz
 AQ: 0.118996 sec
 RG: 48
 DQ: 0.120000 sec
 SFO: 400.126007 MHz
 HETP: 25.41 mm
 F1: 2.0000000 Hz
 F2: 2.0000000 Hz
 CHANNEL: f1
 NUC1: 1H
 P1: 11.10 usec
 PL1: 0.00 dB
 PR1: 18.30 usec
 FWHM: 4.00 Hz
 APO1: 400.126007 MHz
 F2 - Processing parameters
 SI: 32768
 SF: 400.126007 MHz
 RG: 48