



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 #: 20160318 Manufacture Date: 10/23/2016
Country of Origin: China Expiration Date: 10/22/2019

Analysis	Claim	Result
Phenylpiracetam	≥99.0%	99.82%

Test	Specification	Result
Appearance	White Powder	Complies
Residue on ignition	≤0.2%	0.10%
Loss on drying	≤0.5%	0.28%
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: 7034

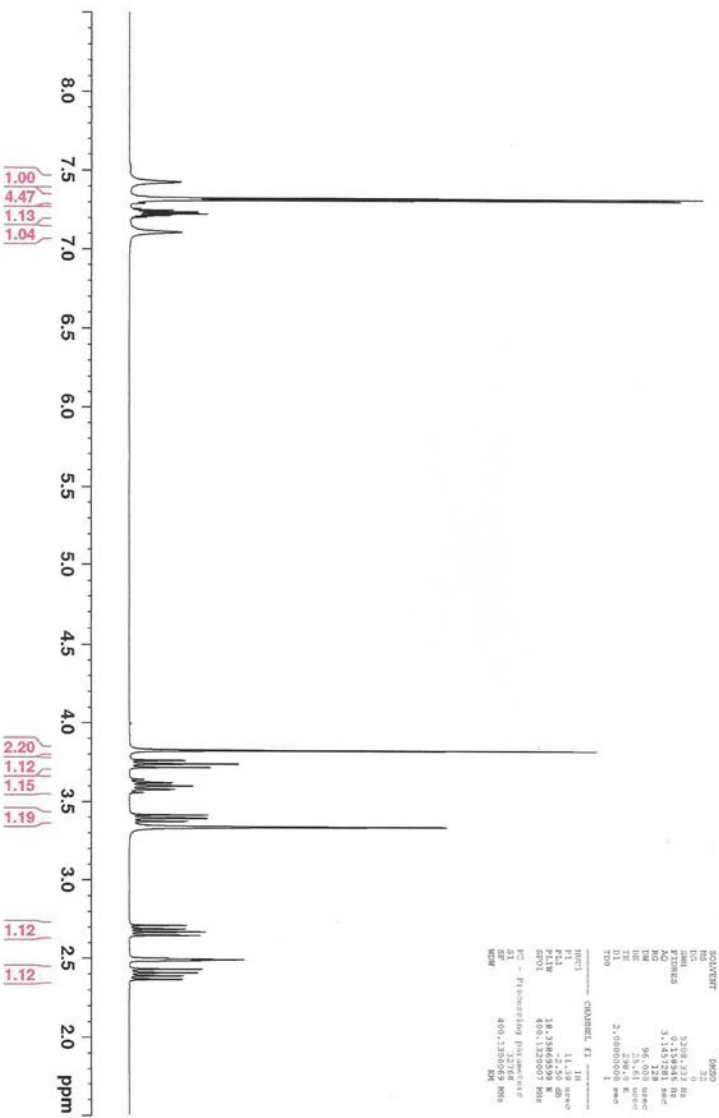
Product Name	Phenylpiracetam	Client Lot Number	20160318
Report Date	05/04/16	Order #	SNT 0150

Test	Method	Result
Identification	H-NMR	Conform
Assay	HPLC	100.6%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	<0.001
Cadmium	ICP-MS	<0.001
Lead	ICP-MS	0.018
Mercury	ICP-MS	0.005

Collin Thomas 
Laboratory Manager

05/04/2016 
Date

**¹H NMR of Phenylpiracetam
in DMSO
Lot # none
Colmaric Analyticals
04-25-16**



Current Data Parameters
 Name: AcPr1-2016-colmaric
 ExpNO: 1
 F2 - Acquisition Parameters
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 Time: 11:42:45
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 NUC2: 13C
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 PCPRG2: 32
 SFO: 125.761170
 AQ: 0.1309546 hr
 RG: 31.601218 sec
 MS: 1.0000000 sec
 AS: 5.01 sec
 TD: 2882.0 K
 SFO2: 400.150900 MHz
 FIDRES2: 1 sec
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 NUC2: 1H
 PULPROG: zgpg30
 PCPRG2: 32
 SFO: 500.136050 MHz
 FIDRES: 1 sec
 F0: 100.626126
 F1: 400.150900 MHz
 F2: 400.150900 MHz
 F3: Processing Parameters
 SI: 32768
 SF: 400.150900 MHz
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