



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 #: HHLBB16005      Manufacture Date: 10/16/2015  
Country of Origin: China      Expiration Date: 10/15/2018

Analysis	Claim	Result
Phenylpiracetam	≥99.0%	100.7%

Test	Specification	Result
Appearance	White Powder	Complies
Residue on ignition	≤0.2%	0.16%
Loss on drying	≤0.5%	0.38%
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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### Phenylpiracetam

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

Laboratory Number: 7035

Product Name	Phenylpiracetam	Client Lot Number	HHLBB6005
Report Date	05/04/16	Order #	SNT_0151

Test	Method	Result
Identification	H-NMR	Conform
Assay	HPLC	100.7%
Heavy Metals	ICP-MS	ppm
Arsenic	ICP-MS	<0.001
Cadmium	ICP-MS	<0.001
Lead	ICP-MS	0.020
Mercury	ICP-MS	0.004

Collin Thomas *CT*  
Laboratory Manager

05/04/2016 *5/4/16*  
Date

**<sup>1</sup>H NMR of Phenylpiracetam**  
 In DMSO  
 Lot # 7035  
 Colmaric Analyticals  
 04-25-16

Current Data Parameters  
 NAME: Anz15-2016-colmaric  
 P1: 1  
 P2 - Acquisition Parameters  
 Date\_: 20160225  
 Time: 11:40:00  
 INSTRUM spect  
 PRGNAME 5 mm QNP1H3  
 F1: 400.1460000 MHz  
 TO: 31768  
 NO: 2  
 MS: 32  
 SFO: 500.1310 MHz  
 C13: 0.124846 Hz  
 F2: 0.124846 Hz  
 NO: 2  
 MS: 128  
 SFO: 96.000 MHz  
 C13: 298.0 K  
 TX: 298.0 K  
 T2: 2.00000001 sec  
 T30

NAME: CHAMBLI, GJ  
 INET: 11 14 0446  
 F1: 400.1460000 MHz  
 F2: 10.124846000 MHz  
 F3: 96.000000000 MHz  
 P1: 1  
 P2 - Processing Parameters  
 SI: 32768  
 SF: 400.1460000 MHz  
 MS: 128

