



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

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CERTIFICATE OF ANALYSIS

Piracetam

(2-oxo-1-pyrrolidine acetamide)

Material Lot #: 150411041 Manufacture Date: 04/11/2015
Country of Origin: China Retesting Date: 04/10/2018

Analysis	Claim	Result
Piracetam	≥98.0-102.0%	100.4%

Test	Specification	Result
Appearance	White or Off-White Powder	Complies
IR Spectroscopy	Conforms to Piracetam CRS	Complies
Solution Color (1.0g/20ml)	Clear, Colorless	Complies
Solubility	Freely soluble in water, Soluble in ethanol	Complies
Loss on Drying	<1.0%	0.1%
Residue on Ignition	<0.1%	0.04%
Residual Solvent	<0.03% Methanol	0.0077%
Impurity A, B, C, D	<0.1%	Complies
Unspecified Impurities	<0.1%	Complies
Total Impurities	<0.3%	Complies
Heavy Metals	<10 ppm	Complies
Total Plate Count	<1000 cfu/g	25 cfu/g
Yeast & Mould	<100 cfu/g	15 cfu/g
Coliforms	Negative	Complies
Salmonella	Negative	Complies

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



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Laboratory Number: 5398

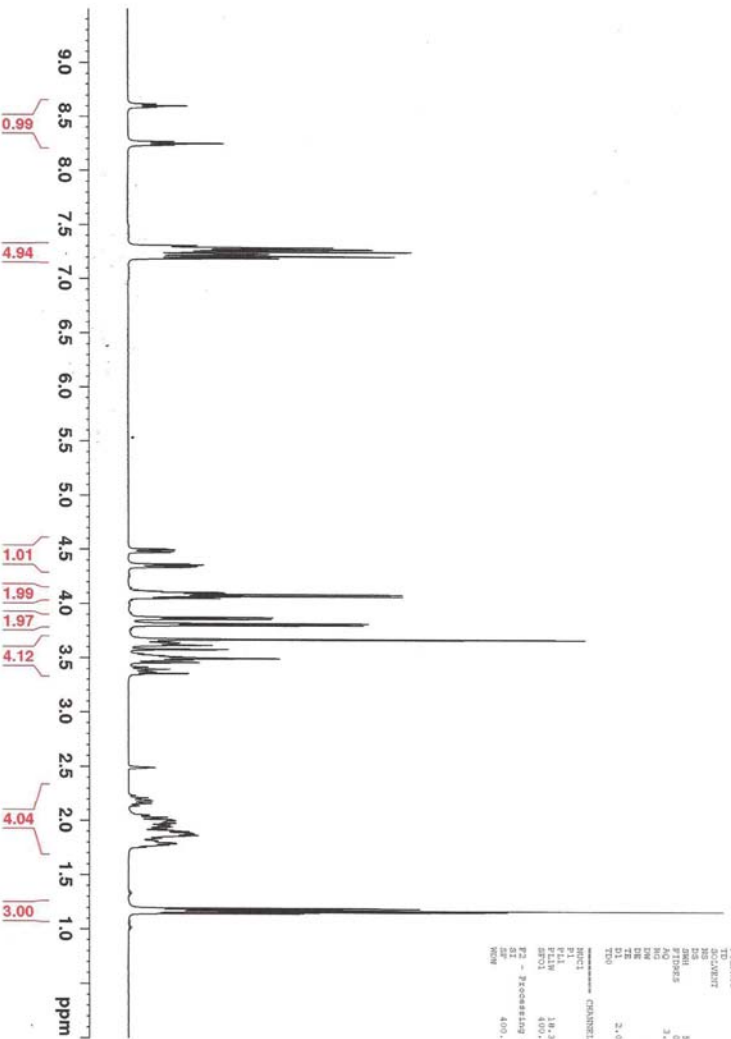
Product Name	Piracetam	Client Lot Number	VITA150411041
Report Date	06/29/15	Order #	SNT_0059

Test	Result
Proton NMR	Conforms to structure
HPLC Assay	100.3%
Heavy Metals (ICP-MS)	ppm
Arsenic	<0.001
Cadmium	0.001
Lead	0.031
Mercury	0.001

Collin Thomas *Collin Thomas*
Laboratory Manager

06/29/2015 *6/29/15*
Date

¹H NMR of NOOPEPT in DMSO
 Lot # S399
 400 MHz
 Colmaric Analytical
 06-24-15



Current Data Parameters
 Name: 06-24-15-11
 Index: 1
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_ : 2015.06.24
 Time : 18.32
 PROBNM : 1
 PULPROG : zgpg30
 F2 - Processing parameters
 AS : 1638
 GC : 0
 ACQNT : 2
 SFO : 400.1326097 MHz
 AQ : 3278.412 Hz
 IN : 3278.412 Hz
 DE : 2.1457281 sec
 TE : 294.2 K used
 FID : 24.61 used
 DI : 2.0000000 sec
 TD : 1
 ===== CHANNEL f1 =====
 P1 : 11.18 used
 PL : 0.00 dB used
 FWH : 18.3160558 dB
 SFO : 400.1326097 MHz
 F2 - Processing parameters
 SI : 3278.412 Hz
 SF : 400.1326097 MHz
 WDW : EM