



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

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CERTIFICATE OF ANALYSIS

Aniracetam

(N-anisoyl-2-pyrrolidinone)

Material Lot# 161001 Manufacture Date: 10/10/2016
Country of Origin: China Retesting Date: 10/09/2018

Analysis	Claim	Result
Assay	≥98%	99.31%

Test	Claim	Result
Appearance	White Crystalline Powder	Complies
Solubility	Soluble in glycerol and water.	Complies

Impurity Test	Claim	Result
Melting Point	119-122°C	120.0-120.7°C
Absorbance	476-506	488
Chlorides	0.014%	Complies
Sulfates	0.04%	Complies
Loss on Drying	≤0.5%	0.38%
Related Substances	≤1.0%	0.33%
Sulfated ash	≤0.1%	0.06%
Heavy Metals	<20ppm	Complies

Conforms to enterprise standard

Aniracetam should be stored at or below room temperature in a tightly sealed durable container.
Aniracetam should be protected from excess heat, direct sunlight, excess humidity and moisture
Aniracetam has a stable shelf life of 2 years from the date of manufacture when properly stored

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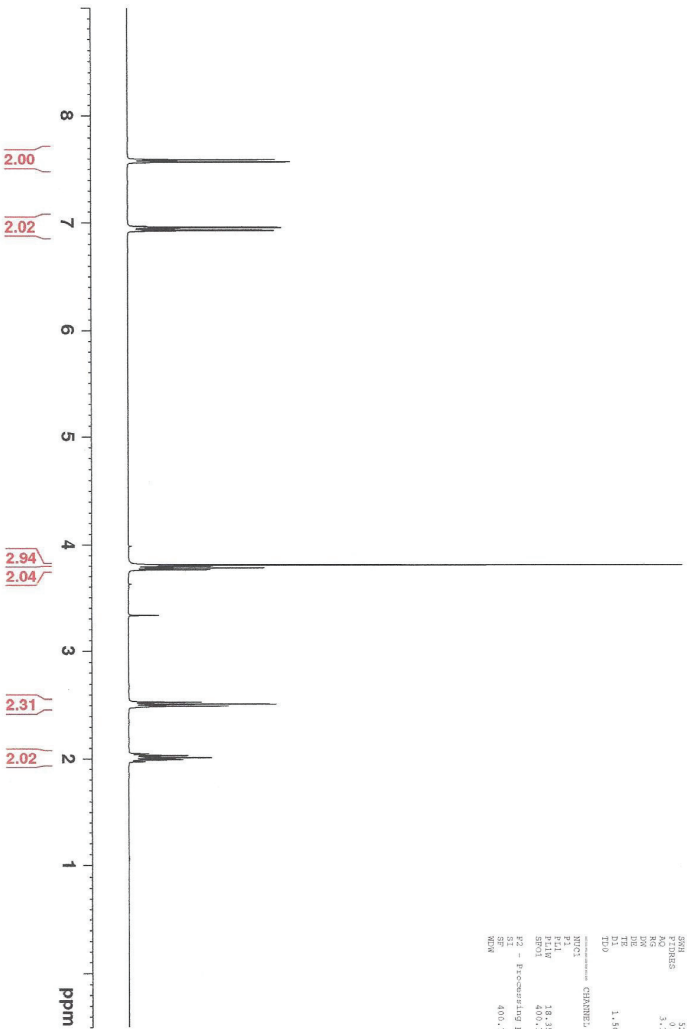
Product Name	Aniracetam	Client Lot Number	161001
Report Date	03/30/17	Laboratory #	8409

Test	Method	Result
Identification	H-NMR	Positive
Aniracetam	CA-100 (HPLC-UV)	99.9 %
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.001 ppm
Lead	ICP-MS USP <730>	<0.001 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Collin Thomas 
Laboratory Manager

03/30/2017 3/30/17
Date

**¹H NMR of antiracetam
in DMSO
Lot # 8409
Colmaric Analytical
400 MHz**



Current Data Parameters
 ExpNO: 1623-2017-00161616
 PROCNO: 1
 F2 - Acquisition Parameters
 Date_ 2016121
 Time 16:21
 INSTRUM 5 mm BBO-SPYHR
 PULPROG zgpg30
 ZPGPROG 2DPO
 AQCORR 0
 ZOCORR 0
 NS 12
 DS 2
 SWH 3200.000 Hz
 FIDRES 0.000000 Hz
 AQ 3.1457283 sec
 RG 66.6666666
 SS 4.0000000 sec
 DE 25.4513960 sec
 TE 300.2 K
 D1 1.50000000 sec
 TD0 1
 ===== CHANNEL f1 =====
 P1 11.28 usec
 PL1 0.00 dB
 F1 400.1326000 MHz
 SFO1 400.1326001 MHz
 F2 - Recoupling parameters
 P2 1.00000000 sec
 PL2 0.00 dB
 SFO2 400.1326000 MHz
 WDW EM