



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

newmind@newmind.com
www.newmind.com

CERTIFICATE OF ANALYSIS

Aniracetam

(N-anisoyl-2-pyrrolidinone)

Material Lot# 20180330 Manufacture Date: 03/30/2018
Country of Origin: China Retesting Date: 05/30/2021

Analysis	Claim	Result
Assay	≥98%	100.5%
Test	Claim	Result
Appearance	White Crystalline Powder	Complies
Solubility	Soluble in glycerol and water.	Complies
Impurity Test	Claim	Result
Melting Point	119-122°C	121.4°C
Chlorides	0.014%	Complies
Sulfates	0.04%	Complies
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 at least 3 years from the date of testing when properly stored.



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Product Name	Aniracetam	Product Lot #	20180330
Report Date	05/02/18	Laboratory #	10141

Description	Test Method	Results
Identification	HPLC [CA-100]	Positive
Assay	HPLC [CA-100]	100.5%
Lead	ICP-MS USP <730>	0.007 ppm
Arsenic	ICP-MS USP <730>	0.072 ppm
Cadmium	ICP-MS USP <730>	0.002 ppm
Mercury	ICP-MS USP <730>	0.003 ppm

Jennifer Smith
QA Auditor

05/02/18
Date

Jennifer Smith

5.2.18

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CERTIFICATE OF ANALYSIS

Aniracetam

(N-anisoyl-L-2-pyrrolidone)

Product Name	Aniracetam	Product Lot Number	20180330
Report Date	05/31/18	Laboratory Number	10329

Description	Method	Result
Identification	Proton NMR	Conforms to structure

Collin Thomas *CT*
Laboratory Manager

05/31/2018 *5/31/18*
Date



1H NMR of Aniracetam
in DMSO
Lot # 10329
Colmaric Analytical
400 MHz
05-31-18

Customer Data Parameters
EXPNO 1
PROCNO 1
PROCMS 1
INSTRUM spect
PROBHD 5 mm PABBO-BB
PULPROG zgpg30
F2 - F2
SOLVENT DMSO
NS 2
DS 2
SWH 5208.233 Hz
FIDRES 0.15846 Hz
AQ 31.657281 sec
RG 21.8
WDW EM
SSB 0
LB 2
GB 0
PC 1.16
SFO 400.1360623 MHz
CHANNEL f1
NUC1 13C
P1 11.18 sec
PC1 18.13860398 sec
SFO1 400.1320007 MHz
SP01 2.58 Hz
P11 18.13860398 sec
SFO1 400.1320007 MHz
P2 - Preprocessing parameters
SI 32768
SF 400.1360623 MHz
WDW EM