



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

newmind@newmind.com
www.newmind.com

CERTIFICATE OF ANALYSIS

Pramiracetam

(N-anisoyl-2-pyrrolidinone)

Material Lot# 20161127 Manufacture Date: 11/29/2016
Country of Origin: China Retesting Date: 11/28/2018

Analysis	Claim	Result
Assay	≥98%	99.33%

Test	Claim	Result
Appearance	White Crystalline Powder	Complies

Impurity Test	Claim	Result
Melting Point	48-50°C	48.5-49.5°C
Residue on ignition	≤0.10%	0.07%
Heavy Metals	≤10ppm	Conform
Total impurity	≤0.50%	0.29%
Water	≤1.0%	0.85%
Assay	89.0-102.0%	99.33%

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 3 years from the date of manufacture when properly stored




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

newmind@newmind.com
www.newmind.com

CERTIFICATE OF ANALYSIS

Product Name	Pramiracetam	Client Lot Number	20161127
Report Date	05/11/17	Laboratory #	8600

Test	Method	Result
Identification	H-NMR	Conforms
Assay	CA-102 (HPLC-UV)	99.0%
Lead	ICP-MS USP <730>	0.716 ppm
Arsenic	ICP-MS USP <730>	0.058 ppm
Cadmium	ICP-MS USP <730>	0.086 ppm
Mercury	ICP-MS USP <730>	<0.001 ppm

Collin Thomas 
Laboratory Manager

05/11/2017 
Date

¹H NMR of Pramipexetam
 in DMSO
 Lot #8600
 Colmaric Analytical
 400 MHz

