



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#	150701	Manufacture Date:	07/22/2015
Country of Origin:	China	Retesting Date:	07/21/2017

<b>Analysis</b>	<b>Claim</b>	<b>Result</b>
<b>Assay</b>	<b>≥98%</b>	<b>99.32%</b>

<b>Test</b>	<b>Claim</b>	<b>Result</b>
Appearance	White Crystalline Powder	Complies
Solubility	Soluble in glycerol and water.	Complies

<b>Impurity Test</b>	<b>Claim</b>	<b>Result</b>
Melting Point	119-122°C	120.1-120.7°C
Absorbance	476-506	489
Chlorides	0.014%	Complies
Sulfates	0.04%	Complies
Loss on Drying	≤0.5%	0.38%
Related Substances	≤1.0%	0.35%
Sulfated ash	≤0.1%	0.05%
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	Product Lot Number	150701
Report Date	09/09/16	Laboratory #	7668

Test	Method	Result
Identification	Proton NMR	Conforms
Aniracetam	HPLC	99.5%
Lead	ICP-MS USP <730>	0.001 ppm
Arsenic	ICP-MS USP <730>	<0.001 ppm
Cadmium	ICP-MS USP <730>	0.001 ppm
Mercury	ICP-MS USP <730>	0.002 ppm

Joshua Gray  
QA Auditor

09/09/2016 9-9-16  
Date