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CERTIFICATE OF ANALYSIS



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Picamilon Sodium Salt (Nicotinoyl-GABA sodium salt)

Material Lot #: 18060501 Manufacture Date: 06/05/2018
Country of Origin: China Retesting Date: 09/18/2021

Analysis	Claim	Result
Picamilon	≥ 98.0%	100.2%

Test	Specification	Result
Description	White crystalline powder, hygroscopic	Complies
Solubility	Freely soluble in water, sparingly soluble in alcohol 95%, practically insoluble in chloroform.	Complies
Identification	UV: Absorption maximum at 262 nm +/- 2nm	Complies
PH	7.3-8.5	8.0
Loss on Drying	≤ 3.0%	1.9%
Related Impurities		
Nicotinic Acid	≤ 0.4%	Complies
γ-Aminobutyric Acid	≤ 0.1%	Complies
Residual Solvents	≤ 5000 ppm Ethanol	689 ppm
Assay	≥ 98.0-101.0%	99.3%

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

Product Name	Picamilon Sodium	Product Lot Number	18060501
Report Date	08/17/2018	Laboratory Number	10748

Description	Method	Results
Identification	HPLC	Positive
Assay	HPLC	98.1 %
Lead	ICP-MS	0.003 ppm
Arsenic	ICP-MS	0.012 ppm
Cadmium	ICP-MS	<0.001 ppm
Mercury	ICP-MS	0.025 ppm

Michael Robil

Michael Robil
QA Auditor

08/17/18

08/17/2018

Date

The result(s) stated in this report is only for the sample submitted. This report may not be reproduced in whole or in part, nor may any reference be made to the work, the result, or the company in any news release, public announcements or advertising without our prior written consent.



Colmaric Analyticals, LLC

812 Meadowlark Lane, Goodlettsville, TN 37072
 Telephone: 615-239-8604

Certificate of Analysis

Synaptent LLC
 47 W Polk Street, 100-241
 Chicago, IL 60654

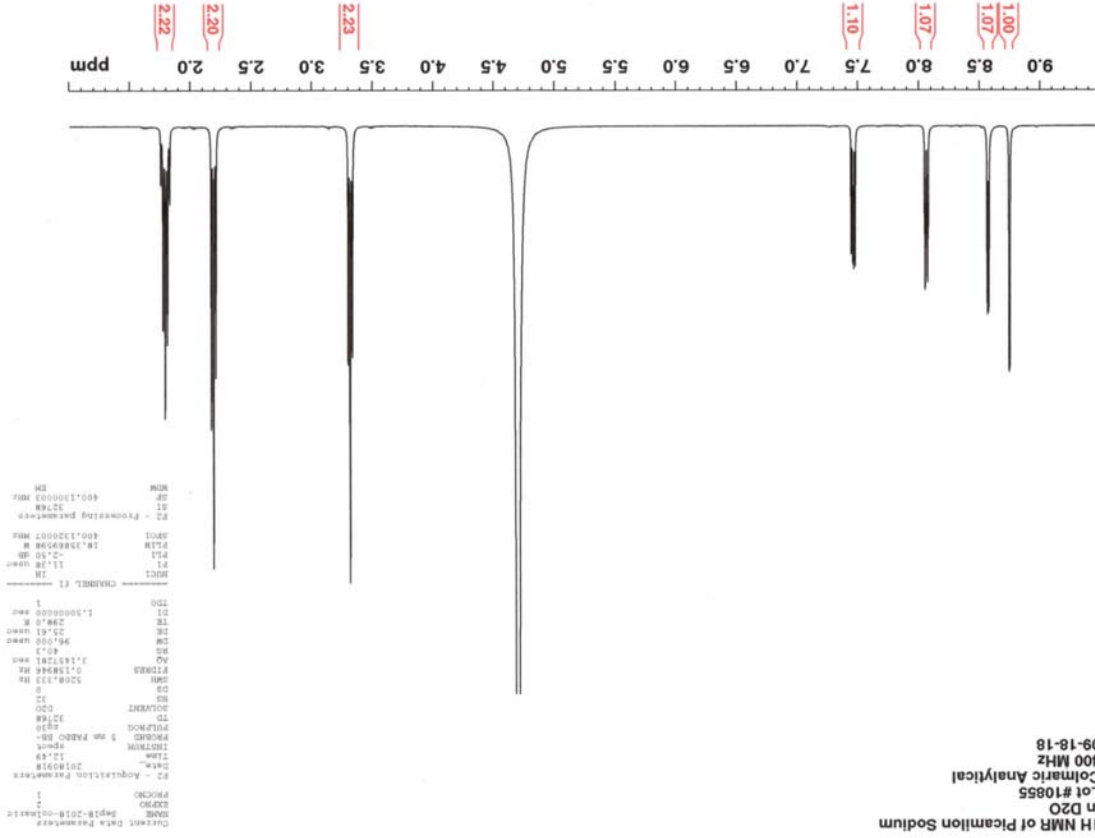
Product Name	Picamilon	Product Lot Number	18060501
Report Date	09/19/2018	Laboratory Number	10855

Description	Method	Result
Identification	1H NMR	Conform
Picamilon Sodium	HPLC	98.2 %
Lead	ICP-MS	0.009 ppm
Arsenic	ICP-MS	<0.001 ppm
Cadmium	ICP-MS	0.005 ppm
Mercury	ICP-MS	0.019 ppm
Total Aerobic Count	Biolumix	<100 CFU/g
Yeast and Mold	Biolumix	<100 CFU/g
E. Coli	Biolumix	Absent
Coliform	Biolumix	<10 CFU/g
Salmonella	Biolumix	Absent

Michael Robil
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 QA Auditor

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1H NMR of Picamilon Sodium
 in D2O
 Lot #10855
 Colmaric Analytical
 400 MHz
 09-18-18