

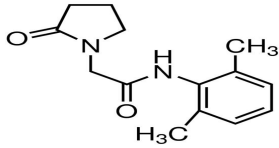


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## CERTIFICATE OF ANALYSIS

Product Name:	<b>N-(2,6-dimethylphenyl)-2-(2-oxopyrrolidin-1-yl)acetamide (Nefiracetam)</b>		
CAS No.:	77191-36-7	Molecular Weight:	246.3
Molecular Formula:	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>2</sub>	Batch No.:	MLP-NFM-20221123
Manufacture Date:	2022.11.23	Report Date:	2022.11.29
Quantity:	200kg	Retest Date:	2024.11.22

Testing Items	Specifications	Results
<b>Active Ingredients</b>		
Assay (HPLC)	99%-101%	99.69%
<b>Physical Control</b>		
Appearance	White Crystalline Powder	Complies
Color	White	Complies
Odor & Taste	Characteristic	Complies
Identification	<sup>1</sup> HNMR	Complies
Loss on Drying	≤0.5%	0.28%
Melting point	152°C-154°C	152.4°C-153.9°C
Residue on ignition	≤0.1%	0.05%
Chlorides	≤0.015%	Conforms
<b>Chemical Control</b>		
Heavy metals (As Pb)	NMT10PPM	Conforms
Related substance	Total Impurity ≤1.0%	0.31%
<b>Packing and Storage</b>		
Packing	25kg/drum	
Storage	Store in a well-closed container away from moisture.	
Shelf Life	2 years if sealed and stored properly.	
Conclusion	<b>Conforms to CP-2010</b>	
Laboratory technician:	Checker:	Quality control:

检 1

检 2



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