

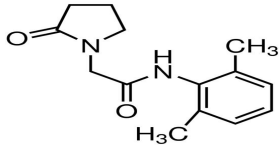


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CERTIFICATE OF ANALYSIS

Product Name:	N-(2,6-dimethylphenyl)-2-(2-oxopyrrolidin-1-yl)acetamide (Nefiracetam)		
CAS No.:	77191-36-7	Molecular Weight:	246.3
Molecular Formula:	C ₁₄ H ₁₈ N ₂ O ₂	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
Active Ingredients		
Assay (HPLC)	99%-101%	99.69%
Physical Control		
Appearance	White Crystalline Powder	Complies
Color	White	Complies
Odor & Taste	Characteristic	Complies
Identification	¹ 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
Chemical Control		
Heavy metals (As Pb)	NMT10PPM	Conforms
Related substance	Total Impurity ≤1.0%	0.31%
Packing and Storage		
Packing	25kg/drum	
Storage	Store in a well-closed container away from moisture.	
Shelf Life	2 years if sealed and stored properly.	
Conclusion	Conforms to CP-2010	
Laboratory technician:	Checker:	Quality control:

检 1

检 2



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