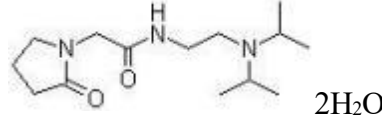


CERTIFICATE OF ANALYSIS

Product Name:	Pramiracetam, N- [2-(diisopropylamino)ethyl]-2-oxo- 1- pyrrolidineacetamide Hydrate	
CAS NO.:	68497-62- 1	Quantity: 350kg
Molecular Formula:	C ₁₄ H ₂₇ N ₃ O ₂ · 2H ₂ O	Molecular Weight: 305.38
Batch No.:	SOST20240315	Manufacture Date: 2024.03.15
Report Date:	2024.03.20	Retest Date: 2026.03.14

Testing Items	Specifications	Results
Appearance	White or off white crystalline powder	Conform
Identification	(1)HNMR	Conform
	(2)HPLC, retention time shall conforms to WRS.	Conform
Water (removal of crystal water)	≤ 1.0%	0.59%
Residue on ignition	≤ 0.10%	0.06%
Heavy metal	≤ 10ppm	Conform
Melting point	48~50°C	48.1~49.4°C
Assay (HPLC)	98.0- 102.0%	99.57%
Conclusion	Meets in-house specification	

Manufacturer : Xi'an Sost Biotech Co.,Ltd.

QC : Guo Shan

QA: Feng Li

