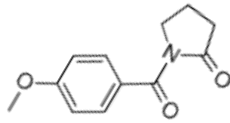




CERTIFICATE OF ANALYSIS

Product name	Aniracetam		
Molecular formula	C ₁₂ H ₁₃ NO ₃		
Cas No.	72432-10-1	Quantity	350kg
MFG. date	2022.12.23	Batch No.	MLP-MT-20221223
Report date	2022.12.28	Expiry date	2024.12.22

Testing items	Specifications	Results
Appearance	White or off-white crystalline powder; odorless	Conforms
¹ HNMR	Confirms to structure	Conforms
Melting point	118-122°C	118.9-120.6°C
Absorption coefficient	476-506	495
Chemical reaction	Generate white precipitate	Generate white precipitate
Identification (¹ HNMR)	Confirms to structure	Conforms
Related substance		
Individual impurity	≤0.2%	0.02%
Total impurities	≤1.0%	0.06%
Residual solvent		
Ethanol	≤0.5%	0.0109%
Toluene	≤0.089%	0.0084%
Loss on drying	≤0.5%	0.11%
Residual on ignition	≤0.1%	0.03%
Heavy metal	≤10ppm	Conforms

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苏州麦轮生物科技有限公司
Suzhou MyLand Pharm & Nutrition Inc.

地址: 苏州工业园区致和医药大厦 电话: 86 512 66706057
Add: ZhiHe Pharmaceutical Tower, SIP, Suzhou, CN.

info@mylandpharm.com
www.mylandpharm.com

Purity (HPLC)	≥99.0%	99.94%
Assay	98.0%~102.0%	99.57%
Conclusion	Complies with the requirements of CP 2015	

ANALYST:

检 1

CHECKER:

检 2

Q.C. DIRECTOR:



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