



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

## CERTIFICATE OF ANALYSIS

|                   |   |             |                 |
|-------------------|---|-------------|-----------------|
| Product name      | Aniracetam                                      |             |                 |
| Molecular formula | C <sub>12</sub> H <sub>13</sub> NO <sub>3</sub> |             |                 |
| 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                   |
| <sup>1</sup> 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 ( <sup>1</sup> 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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|               |   |        |
|---------------|---|--------|
| 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:



WWW.CHEMBALL.COM

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