



Certificate of Analysis

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|--------------------|---|-------------------|--------|
| Product Name: | Nefiracetam | Batch Number: | Varies |
| CAS No. | 77191-36-7 | Manufacture Date: | Varies |
| Molecular Formula: | C ₁₄ H ₁₈ N ₂ O ₂ | Expiry Date: | Varies |

| IDENTIFICATION | | SPECIFICATION | RESULT |
|----------------|----------------------|--------------------------|-----------------|
| Assay (HPLC) | | 99 - 101% | 99.29 - 99.61% |
| Physical | Appearance | White crystalline powder | Complies |
| | Odor & Taste | Characteristic | Complies |
| | Identification | HNMR | Complies |
| | Melting point | 151 - 155°C | 152.2°C~153.7°C |
| | Residue on ignition | ≤ 0.1% | 0.03% |
| | Loss on drying | ≤ 0.5% | 0.25 - 0.31% |
| Chemical | Chlorides | ≤ 0.015 - 0.02% | Complies |
| | Related substances | Total Impurity ≤ 1.0% | 0.39% |
| | Heavy metals (As Pb) | ≤ 10ppm | Complies |

| | | |
|------|-------------------|-------------------------------------|
| Else | Storage condition | Sealed, kept in shady and dry place |
| | Shelf life | Three years |

