

Certificate of Analysis

Product: Pramiracetam
CAS No.: 68497-62-1
Code: 188810
Mol. Formula: C₁₄H₂₇N₃O₂
Mol. Weight: 269.38

| Item | Specifications | Results |
|-------------------------------------|--|--------------------------|
| Assay (HPLC) | 98.0~102.0% | 99.50% |
| Identification | UV Max 209nm, 248nm, 267nm, 310nm | complies |
| | IR Conforms with working reference | complies |
| Melting point | 48~50°C | 49°C |
| Water (removal of crystal water) | ≤1.0% | 0.7% |
| Single impurity | ≤0.5% | 0.22% |
| Heavy metals (as Pb) | ≤10ppm | <10ppm |
| Residue on ignition | ≤0.1% | 0.05% |
| Total impurity | ≤0.5% | 0.16% |
| Appearance | White crystal or crystalline powder | White crystalline powder |
| Conclusion | Complies | |