

## Certificate of Analysis

**Product:** Noopept  
**Other name(s):** ,N-[1-(phenylacetyl)-L-prolyl] Glycine ethyl ester  
**CAS No.:** 157115-85-0  
**Code:** 147651  
**Mol. Formula:** C17H22N2O4  
**Mol. Weight:** 318.37

Item	Specifications	Results
Assay (as dried base)HPLC	98.5%~101.0%	99.68%
Identification	Conform with H-NMR	Complies
Melting point	97.0°C~99.0°C	97.5°C~98.3°C
Loss on drying	≤0.5%	0.15%
Heavy metals	≤10 ppm	<10 ppm
Residual solvents	≤10 ppm	<10 ppm
Related substances	Max. Single impurity≤0.1% Max. Total impurity≤0.2%	≤0.001% ≤0.001%
Total Aerobes Count	≤1000 cfu/g	≤10 cfu/g
Yeast & Mold	≤100 cfu/g	Negative
E.Coli	Negative	Negative
Salmonella	Negative	Negative
Appearance	White or colourless crystalline powder; with a characteristic odor	White crystalline powder with a characteristic odor
Odor & Taste	characteristic odor	Complies
Shelf Life	2 years if sealed and stored properly.	
Conclusion	Complies	