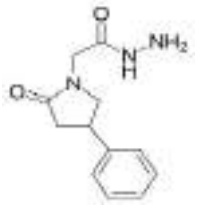
CERIFICATE OF ANALYSIS

Product Name	Phenylpiracetam hydrazide, 2-Oxo-4-phenylpyrrolidine-1-acetic acid hydrazide,		
Chemical Formula	$C_{12}H_{15}N_3O_2$	**Molecular Weight**	233.27
CAS	77472-71-0	**Batch Quantity**	300kg
Batch No.	PPH-20241218	**Manufacture Date**	2024.12.18
Report Date	2024.12.23	**Retest Date**	2026.12.17

Testing Items	**Specifications**	**Test Results**
Appearance	Off-white to white powder	Conforms
Identification	The 1H-NMR spectrum corresponds to reference standard	Conforms
Purity (HPLC)	NLT 99.0%	99.39%
Water Content	NMT 1.0%	0.28%
Melting Point	155℃-159℃	157℃-159℃
Residue on ignition	NMT 0.5%	0.14%
Loss on drying	NMT 1.0%	0.52%
Residual Solvent, EtOH(GC)	NMT 0.3%	0.17%
Conclusion	Product Conforms to in-house Specifications	

ANALYST: 检1 CHECKER: 检2 Q.C. DIRECTOR:

SHENGCHUAN BIOCHEM CO LTD