

## CERTIFICATE OF ANALYSIS

<b>Product Name:</b>	<b>Piracetam</b>		
<b>Batch No.</b>	20231013	<b>Delivery Division</b>	Piracetam Workshop
<b>Certificate</b>	Qualification	<b>Sort</b>	Pharmaceutical
<b>Batch size</b>	75kg	<b>Packing</b>	Drum
<b>Manufacturing Date</b>	October 20, 2023	<b>Expiry Date TO</b>	October 19, 2026
<b>Reporting Date</b>	October 21, 2023	<b>Executive Criterion</b>	EP10.0
<b>Analytical results</b>			
<b>Items</b>	<b>Specifications</b>		<b>Results</b>
<b>Description</b>	A white or almost white powders		Complies
<b>Solubility</b>	Free soluble in water; soluble in ethanol (96%)		Complies
<b>Clarity and color of the solution</b>	Should be clear and colorless		Complies
<b>Identification</b>	Complies with the infrared absorptions of RS		Complies
<b>Loss on drying</b>	Not more than 1.0%		0.18%
<b>Residue on ignition</b>	Not more than 0.1 %		0.04%
<b>Heavy metal</b>	Not more than 10 ppm		Pass
<b>Related substance</b>	Impurity A: ≤0.1 %		0.02%
	Impurity B: ≤0.1 %		0.03%
	Impurity C: ≤0.1 %		N.D.
	Impurity D: ≤0.1 %		N.D.
<b>Related substance</b>	Single impurity:≤0.1 %		0.04%
	Total impurity:≤0.3 %		0.15%
<b>Microbiological purity</b>	Total Anaerobic Microbial Count (TAMC): Not more than 10 <sup>2</sup> cfu/g		Complies
	Total Yeast and Mould (TYMC): Not more than 10cfu/g		Complies
	Bacterial endotoxins: NMT 0.029 EU/mg of piracetam		Complies
<b>Isopropanol</b>	NMT 2000PPm		Complies
<b>Methanol</b>	NMT 1500PPm		Complies
<b>Assay</b>	Containing 98.0~102.0% of C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> O <sub>2</sub>		99.70%
<b>Conclusion</b>	Pass		

Inspector: Carlifor Wu

Verifier: Jack He