

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	<b>Vinpocetine</b>		
<b>Quality Standard</b>	EP10	<b>Batch No.</b>	20220601
<b>Manufacturing Date</b>	June 4, 2022	<b>Expiry Date</b>	June 3, 2025
<b>Packing</b>	1KG/TIN	<b>Batch WT.</b>	200KGS
<b>Analytical results</b>			
<b>Items</b>	<b>Specifications</b>		<b>Results</b>
<b>Appearance</b>	White or slightly yellow, crystalline powder		White crystalline powder
<b>Solubility</b>	Practically insoluble in water, soluble in methylene chloride, slightly soluble in anhydrous ethanol.		Conforms
<b>Identification (IR)</b>	Meet the requirements		Conforms
<b>Specific optical rotation</b>	+127°~ +134°		+132.5°
<b>Related substances ( External standard method)</b>			
<b>Ethyl vincamate(A)</b>	Not more than 0.6%		Conforms
<b>Apovincamine(B)</b>	Not more than 0.5%		Conforms
<b>Methoxyvinpocetine(C)</b>	Not more than 0.3%		N.D.
<b>Dihydrovinpocetine(D)</b>	Not more than 0.5%		N.D.
<b>Other single impurity</b>	Not more than 0.1%		Conforms
<b>Total impurity</b>	Not more than 1.0%		0.10%
<b>Loss on drying</b>	Not more than 0.5%		0.05%
<b>Sulphated ash</b>	Not more than 0.1%		0.05%
<b>Assay(on the dried basis)</b>	Not less than 98.5% and not more than 101.5%		99.90%
<b>Conclusion</b>	Qualified.		

Inspector: Carlifor Wu

Verifier: Jack He

