

CERTIFICATE OF ANALYSIS

Product Name	Vinpocetine		
Botanical Resource	Voacanga Seeds		
Batch Number	20230125	Manufacture Date	20230125
Report Date	20230125	Expiry Date	20250124

Item	Specification	Result
Appearance	White or slightly yellow, crystalline powder	Conforms
Specific Rotation, C=1 [a] _D ²⁰	+ 127 ~ + 134	+ 130.5
Melting Point	149°~ 153°	150°
Solubility	Practically insoluble in water, soluble in methylene chloride, slightly soluble in anhydrous ethanol.	Conforms
Assay (On dried basis)	98.5 – 101.5%	99.19%(HPLC)
Related Substances	Impurity A: 0.6% Max.	0.12%
	Impurity B: 0.5% Max.	0.19%
	Impurity C: 0.3% Max.	0.15%
	Impurity D: 0.5% Max.	0.20%
	Unspecified Impurity: 0.1% Max.	0.08%
	Total Impurity: 1.0% Max.	0.70%
Heavy Metals	10ppm Max.	Complies
Loss on Dried	0.5% Max.	0.20%
Sulphated Ash	0.1% Max.	0.05%

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.