



Certificate of Analysis

Product Name:	Vinpocetine	Batch Number:	Varies
Botanical Name:	<i>Vinca minor Stapf</i>	Manufacture Date:	Varies
Used part:	Fruit	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (vinpocetine)		98.5 - 101.5%	98.4 - 99.9%
Physical	Appearance	White or slightly pale yellow crystalline powder	Complies
	IR	The infrared spectrum of the test sample should match with the standard	Complies
	Specific Rotation, C=1 [α] _{D20}	+127 ~ +134°	+132.5° - +133°
	Solubility	Practically insoluble in water, soluble in methylene chloride, slightly soluble in anhydrous ethanol	Complies
	Heavy Metals	≤ 10 ppm	Complies
	Loss on drying	≤ 0.5%	0.05 - 0.28%
	Sulphated ash	≤ 0.1%	Complies
	Impurity A Impurity B Impurity C Impurity D	≤ 0.6% ≤ 0.5% ≤ 0.3% ≤ 0.5%	Complies
	Unspecified Impurity	≤ 0.1%	Complies
	Total Impurity	≤ 1.0%	Complies
Microbial	Total Plate Count Yeast & Mold	≤ 1000 cfu/g ≤ 100 cfu/g	Complies
	E. Coli, Salmonella, Staphylococcus	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

