



Certificate of Analysis

Product Name:	Hordenine	Batch Number:	Varies
CAS No.	539-15-1	Manufacture Date:	Varies
Molecular Formula:	C₁₀H₁₅NO	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay		≥ 98%	98.85 - 99.3%
Physical	Appearance	Off-white / Off-white crystalline powder	Complies
	Odor & Taste	Characteristic	Complies
	Melting point	170 - 179°C	176~183°C
	Boiling point	≥ 203°C	213 - 214.5°C
	Loss on drying	≤ 1.0%	0.32 - 0.4%
	Sulfate ash	≤ 0.3	< 0.24 - 0.25
Chemical	Heavy metals	≤ 10 ppm	< 10 ppm
	Lead (Pb)	≤ 2 ppm	Complies
	Arsenic (As)	≤ 2 ppm	Complies
	Cadmium (Cd)	≤ 2 ppm	Complies
	Mercury (Hg)	≤ 0.5 - 1 ppm	Complies
Microbial	Total Plate Count	≤ 3000 cfu/g	Complies
	Yeast & Mold	≤ 100 - 1000 cfu/g	Complies
	E. Coli, Salmonella, Staphylococcus	Negative	Complies

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

