

SPECIFICATION SHEET

Glaucine Hydrobromide 97% HPLC

GENERAL INFORMATION

Botanical Species	Glaucium flavum Crantz	Part Used	Herb
Country of Origin	Bulgaria	Carrier Used	None
Solvent Used	Ethanol (process)	Kosher Halal	No No

ITEM	SPECIFICATION		METHOD
PHYSICAL & CHEMICAL			
Identification	Corresponds to Reference Standard		HPLC USP<621>
Appearance	Pale tan to light brown amorphous powder		Organoleptic
Glaucine Hydrobromide	NLT (%)	97.0	HPLC USP<621>
Residue on Ignition	NMT (%)	0.1	USP<281>
Particle Size	NLT	95% through 80 mesh	USP<786>
Loss on Drying	NMT (%)	1.0	USP<731>
Bulk Density	Between (g/100ml)	25–60	USP<616> Method I
CONTAMINANTS			
Lead (Pb)	NMT (ppm)	2.0	ICP-MS USP<730>
Arsenic (As)	NMT (ppm)	2.0	ICP-MS USP<730>
Cadmium (Cd)	NMT (ppm)	1.0	ICP-MS USP<730>
Mercury (Hg)	NMT (ppm)	1.0	ICP-MS USP<730>
Solvent Residue	Meets Requirements		GC USP<467>
Pesticide Residue	Meets Requirements		USP<561> Modified
MICROBIOLOGICAL			
Total Plate Count	NMT (cfu/g)	10,000	USP<61>
Yeast & Mold	NMT (cfu/g)	1,000	USP<61>
E. Coli	Absent (cfu/10g)		USP<62>
Salmonella	Absent (cfu/10g)		USP<62>
Staphylococcus aureus	Absent (cfu/10g)		USP<62>

PACKING & STORAGE

Packed in double polyethylene bags inside a cardboard barrel (typical 25 kg).
 Store in a well-closed container away from moisture, light, and heat.

SHELF LIFE

48 months if under the conditions above and in its original packaging.
 Store tightly closed, protected from light and moisture.

NOTE

Botanical alkaloid isolate (hydrobromide salt) from Glaucium flavum. Assay calculated on the dried substance. Natural-product variance may occur in related impurities.