



Certificate of Analysis

Product name	Lycorine hydrochloride		
CAS NO.	2188-68-3		
Botanical source	<i>Lycoris radiata (L. Herit.) Herb</i>		
Used part	whole plant	Batch quantity	30kg
Batch number	180123	Extract Solvent	Ethanol/water
Identification	Standardization	Results	Test Methods
Assay data	99% min.	99.16%	HPLC
Aspect	White crystalline powder	Complied	Visual
Odor & taste	Characteristic	Complied	Organoleptic
Mesh size	100% through 80 meshes	80 meshes	80 Mesh Screen
Residue on ignition	0.2% max.	0.15%	GB/T 5009.4-2003
Loss on Drying	0.1% max	0.62%	GB/T 5009.-2003
Molting point	210~214°C	210~214°C	CP2005
Optical rotation	+43°	+43°	CP2005
Total impurities	1.5%max	0.89%	CP2005
Single impurity	1.0 %max	0.68%	CP2005
Heavy metals	10ppm max.	Complied	CP2005
Arsenic	1.0mg/kg max.	0.15	GB/T 5009.11-2003
Lead	0.5mg/kg max.	0.05	GB/T 5009.12-2003
Cadmium	0.5ppm max	<0.01	GB/T 5009.146-2003
Mercury	0.3mg/kg max	<0.01	GB/T 5009.146-2003
BHC	0.1ppm max.	Complied	GB/T 5009.146-2003
DDT	0.1ppm max	Complied	GB/T 5009.146-2003
Total aerobic count	Not more than 1000cfu/gram	160	GB/T 4789.2-2003
Yeast & Mold	Not more than 100cfu/gram	20	GB/T 4789.15-2003
E.Coli & Salmonella	Negative	Complied	GB/T 4789.3-2003
Storage	Store in a cool dry place, avoiding sunlight directly.		
Shelf life	Two years		
Packaging	Food grade polyethylene bags, 25kg in one type cardboard drum		