



### Certificate of Analysis

<b>Product Name</b>	Lappaconitine hydrobromide		
<b>Batch Number</b>	KT-20230320	<b>Batch Quantity</b>	150kg
<b>Manufacture Date</b>	2023/03/20	<b>Report Date</b>	2023/03/25
<b>Active ingredients</b>	Lappaconitine		

Analysis Items	Specifications	Results	Test Method
No1: Look and Feel Properties			
<b>Appearance</b>	Off-white powder	Complies	Visual
<b>Odor</b>	Bitter	Complies	Organoleptic
<b>Particle Size</b>	100% Through 80 mesh	Complies	Ch.P.C.Rule 47
No2: Physical and Chemical Properties			
<b>Solubility</b>	Soluble in acidic solution, insoluble in petroleum ether, chloroform and other solvents, and also insoluble in water	Complies	/
<b>Loss on drying</b>	NMT5.00%	1.3%	Ch.P.C.Rule 52
<b>Heavy Metals</b>	NMT 10ppm	Complies	Ch.P.C.Rule 21-AAS
<b>Arsenic(As)</b>	NMT 2ppm	Complies	Ch.P.C.Rule 21-AAS
<b>Lead(Pb)</b>	NMT 2ppm	Complies	Ch.P.C.Rule 21-AAS
<b>Mercury(Hg)</b>	NMT 0.1ppm	Complies	Ch.P.C.Rule 21-AAS
<b>Cadmium(Cd)</b>	NMT 1ppm	Complies	Ch.P.C.Rule 21-AAS
<b>Sulphate ash</b>	NMT 1.00%	0.11%	Ch.P.C.Rule 2302
No3.: Identify and content indexes			
<b>Assay</b>	≥98%	99.01%	Ch.P.C.Rule23-HPLC
No4.: Microbiological Requirements			
<b>Total Plate Count</b>	NMT 1,000cfu/g	Complies	Ch.P.C.Rule 80
<b>Total Yeast and molds</b>	NMT 100cfu/g	Complies	Ch.P.C.Rule 80
<b>Pseudomonas</b>	Negative	Complies	Ch.P.C.Rule 80
<b>Escherichia coli</b>	Negative	Complies	Ch.P.C.Rule 80
<b>Staphylococcus</b>	Negative	Complies	Ch.P.C.Rule 80
<b>Enterobacteriaceae</b>	Negative	Complies	Ch.P.C.Rule 80
<b>Salmonella</b>	Negative	Complies	Ch.P.C.Rule 80
<b>Conclusion</b>	The test results conforms with the quality standard.		
<b>Storage</b>	Store in a well-closed container away from moisture.		
<b>Shelf Life</b>	5 years if sealed and store away from direct sun light		

Director of Quality Inspection:Andy C.

Director of Quality Control:Rain Z

