西安立飞生物科技有限公司
Xi'an Lyphar Biotech Co., Ltd

Certificate of Analysis

Product Name	Kavalactones	**Expiry Date**	Dec.10, 2026
Batch Number	LYPH241121	**Manufacture Date**	Dec.11, 2024
Batch Quantity	1000KG	**Analysis Date**	Dec.13, 2024
Botanical Source	Piper methysticum	**Extracting Solvent**	Ethanol

Analysis Item	**Specification**	**Result**	**Method**
Kavalactones	≥30%	30.39%	HPLC
Chemical Physical Control			
Appearance	Powder	Complies	Visual
Color	Slight Yellow	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Identification	Positive	Complies	----------
Solubility	100% soluble in ethanol	Complies	----------
Sieve Analysis	100% pass 80 mesh	Complies	80 mesh screen
Loss on Drying	≤5.0%	3.41%	5g/105°C/2hrs
Residue On Ignition	≤5.0%	2.18%	2g/600°C/3hrs
Heavy Metals	<10ppm	Complies	----------
Arsenic (As)	<2ppm	Complies	----------
Lead (Pb)	<2ppm	Complies	----------
Microbiology Control			
Total Plate Count	<1000cfu/g	Complies	----------
Yeast & Mold	<100cfu/g	Complies	----------
E.Coli	Negative	Negative	----------
Salmonella	Negative	Negative	----------
Staphylococcin	Negative	Negative	----------

Conclusion	The above analytical results are in conformity with the agreed upon specifications
Packing description	Sealed export grade drum & double of sealed plastic bag
Storage	Store in cool & dry place not freeze., keep away from strong light and heat
Shelf life	2 years when properly stored

Quality Assurance Officer: 董文华 **Corrector:**李丽 **Analyst:**贺强

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