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CERTIFICATE OF ANALYSIS

Blue Lotus Flowers (Dried) | Batch PHY20260925

Product Name	Blue Lotus Flowers (Dried)	**Batch No.**	PHY20260925
Country of Origin	China	**Manufacture Date**	25 Sep 2026
Quantity	2500kgs	**Analysis Date**	02 Oct 2026
Expiry Date	24 Sep 2028		

ANALYTICAL RESULTS

TEST ITEM	SPECIFICATION	RESULT	TEST METHOD
Botanical Identification	Nymphaea caerulea	**Conforms**	Macroscopic and organoleptic identification
Appearance	Dried whole flowers, typical	**Conforms**	Visual
Odour & Taste	Characteristic	**Conforms**	Organoleptic
Loss on Drying	≤ 5.0%	4.62%	USP <731>
Total Ash	≤ 5.0%	3.85%	USP <281>
Heavy Metals (Total)	≤ 5 ppm	**Conforms**	ICP-MS (USP <233>)
Lead (Pb)	≤ 2 ppm	ND (< 0.005 mg/kg)	ICP-MS (USP <233>)
Arsenic (As)	≤ 1 ppm	0.005 mg/kg (< LOQ)	ICP-MS (USP <233>)
Cadmium (Cd)	≤ 1 ppm	0.001 mg/kg	ICP-MS (USP <233>)
Mercury (Hg)	≤ 1 ppm	0.001 mg/kg	ICP-MS (USP <233>)
Total Plate Count	≤ 200 CFU/g	25 CFU/g	USP <61>
Total Yeasts and Molds	≤ 100 CFU/g	25 CFU/g	USP <61>
Escherichia coli	Absent in 1 g	**Negative**	USP <62>
Salmonella	Absent in 1 g	**Negative**	USP <62>
Staphylococcus aureus	Absent in 1 g	**Negative**	USP <62>
Pesticide Residues	Complies with EU (EC) No 396/2005 and Japan Positive List System	**Not detected**	QuEChERS, GC-MS/MS & LC-MS/MS

Pesticide residues: QuEChERS extraction, analysed by GC-MS/MS and LC-MS/MS. LOD: 0.005 mg/kg, LOQ: 0.01 mg/kg. ND = Not Detected (< LOD). Residues are calculated in accordance with the regulatory residue definition.

Conclusion The results listed above conform to the stated specifications.

Storage and shelf life Can transport at room temperature. Store in a cool, dry place, protected from light, at 15–30 °C for long term storage. Shelf life: 2 years from the date of manufacture.

Quality statement The results apply only to the batch identified above. This certificate was reviewed and issued by PHYTVA Quality Assurance based on the manufacturer's batch quality-control records. Customers are responsible for confirming suitability for their intended formulation and applicable market requirements.

REVIEWED AND RELEASED BY	APPROVAL DATE	APPROVAL STATUS
PHYTVA Quality Assurance	25 Oct 2026	Approved

This certificate is electronically issued and is valid without a handwritten signature.
Source batch record personnel: Mei Zhang, Quality Assurance Officer; Pei Liu.