

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Valerian Extract
Batch Number	QY-XCV20250212
Botanical Source	Valeriana officinalis
Plant Part	Roots
Manufacture Date	2025-02-12
Expire Date	2028-02-11

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Brown yellow fine powder	Conforms
Odor & Taste	Characteristic	Conforms

Analytical Quality

Analysis Item	Specification	Result
Identification	Identical	TLC — Conforms
Sieve	NLT 95% through 80 mesh	Conforms
Extract Solvent	Ethanol & Water	Conforms
Loss on Drying	≤5.0%	3.06%
Ash	≤5.0%	3.74%
Bulk Density	0.30–0.70 g/ml	Conforms
DER (Drug Extract Ratio)	4:1	Conforms

Assay

Analysis Item	Specification	Result
Assay (Ratio)	4:1	Conforms

Polycyclic Aromatic Hydrocarbons (PAHs)

Analysis Item	Specification	Result
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Benzo(a)pyrene	≤10 µg/kg	Conforms
Sum of PAH4 (BaP, BaA, BbF, Chr)	≤50 µg/kg	Conforms

Pesticide Residue

Analysis Item	Specification	Result
BHC	≤0.2 ppm	Conforms
DDT	≤0.2 ppm	Conforms
PCNB	≤0.1 ppm	Conforms

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals (total)	≤10 ppm	Conforms
Arsenic (As)	≤2 ppm	Conforms
Lead (Pb)	≤2 ppm	Conforms
Mercury (Hg)	≤0.1 ppm	Conforms
Cadmium (Cd)	≤1 ppm	Conforms

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤10,000 cfu/g	Conforms
Yeast & Mold	≤300 cfu/g	Conforms
E. coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative

Packaging & Storage

Analysis Item	Specification
Storage	Cool & dry place. Do not freeze. Keep away from strong light and heat.
Shelf Life	36 months (under above conditions, in original packaging)
Package	Double sealed PP bags, 10/25 kg drum