

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Valerian extract
<b>Botanical name</b>	Valeriana officinalis.
<b>Part used</b>	Root
<b>Batch No.</b>	V20250410
<b>Manufacture date</b>	2025-04-10
<b>Issue date</b>	2025-04-11
<b>Expiry date</b>	2028-04-09
<b>Shelf life</b>	3 years

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	Brown yellow fine powder	Conforms
Odor & Taste	Characteristic	Conforms
Identification	Positive	Conforms
Extract ratio	50:1	Conforms
Particle size	95% pass 80 mesh	Conforms
Loss on drying	≤5.0%	3.46%
Residue on ignition	≤10.0%	4.18%
Bulk density	0.3–0.6 g/ml	Conforms
Tapped density	0.5–0.9 g/ml	Conforms

### Heavy Metals

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Heavy metals (total)	NMT 10 ppm	<10 ppm
Lead (Pb)	NMT 3.0 ppm	<3.0 ppm
Arsenic (As)	NMT 2.0 ppm	<2.0 ppm
Mercury (Hg)	NMT 0.1 ppm	<0.1 ppm
Cadmium (Cd)	NMT 1.0 ppm	<1.0 ppm

**Microbiological Tests**

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Total plate count	NMT 10,000 CFU/g	<1,000 CFU/g
Total yeast & mold	NMT 1,000 CFU/g	<100 CFU/g
E. coli	Negative	Negative
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative

**General Status**

Non-GMO
Allergen Free
Non-Irradiation

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