

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Berberine HCL
<b>Botanical name</b>	Berberis Aristata
<b>Part used</b>	Root
<b>Extract solvent</b>	Acid water
<b>Country of Origin</b>	China
<b>Batch No.</b>	20240628
<b>Representative Qty.</b>	1000 kg
<b>Manufacture date</b>	2024-06-28
<b>Expiry date</b>	2027-06-27

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	Yellow powder	Complies
Odor & taste	Odorless and bitter	Complies
Identification	Positive	Complies
Loss on drying	≤12.0%	9.12%
Ash	≤1.0%	0.04%
Assay (Berberine Hydrochloride)	≥97.0%	97.98%

### Heavy Metals

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Heavy metals (total)	≤10 ppm	Complies
Lead (Pb)	≤2 ppm	Complies
Arsenic (As)	≤2 ppm	Complies
Cadmium (Cd)	≤1 ppm	Complies
Mercury (Hg)	≤0.1 ppm	Complies

### Contaminants

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Aflatoxin	≤10 ppb	Complies

Pesticides	Reg. (EC) No. 396/2005	Complies
Benzopyrene	≤10 ppb	Complies
PAHs (PAH4)	≤50 ppb	Complies

### Microbiological Tests

Analysis Item	Specification	Result
Total microbacterial count	<1000 CFU/g	Complies
Yeast & Mould	<100 CFU/g	Complies
Escherichia coli	Negative	Complies
Salmonella	Negative	Negative
Staphylococcus aureus	Negative	Negative

### Packaging & Storage

Packaging	Pack in paper-drums and two plastic bags inside.
Storage	Sealed, kept in a shady & dry place