

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Red Yeast Rice
<b>Botanical name</b>	Monascus purpureus Went
<b>Part used</b>	Rice
<b>Extract ratio</b>	5:1
<b>Batch No.</b>	045-20241114
<b>Manufacture date</b>	2024/11/14
<b>Expiry date</b>	2028/11/13

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Brown red powder	Complies
Odor	Characteristic	Complies
Taste	Characteristic	Complies
Loss on drying	≤8.0%	4.21%
Ash	≤8.0%	3.84%
Loose density (bulk)	0.400–0.700 g/ml	0.5729 g/ml
Tapped density	0.500–0.900 g/ml	0.8463 g/ml
Particle size	≥98% pass 80 mesh	Complies

### Heavy Metals

Analysis Item	Specification	Result
Heavy metals (total)	≤10 ppm	Complies
Arsenic (As)	≤2 ppm	Complies
Lead (Pb)	≤3 ppm	Complies
Cadmium (Cd)	≤1 ppm	Complies
Mercury (Hg)	≤0.1 ppm	Complies

### Contaminants

Analysis Item	Specification	Result
Benzo(a)pyrene	≤10 ppb	Complies
Sum of PAHs	≤50 ppb	Complies
Aflatoxins	≤5 ppb	Complies

### Assay

Analysis Item	Specification	Result
Total Monacolin-K (HPLC)	≥3.0%	3.73%

**Microbiological Tests**

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Total plate count	≤10,000 CFU/g	100 CFU/g
Yeast & mold	≤1,000 CFU/g	10 CFU/g
Coliforms	≤0.92 MPN/g	Negative
Salmonella	Negative	Negative

**Packaging & Storage**

Shelf life	Four years when properly stored.
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