

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Saffron Extract
<b>Botanical name</b>	Crocus Sativa
<b>Plant Part</b>	Flower
<b>Batch No.</b>	S20250618
<b>Manufacture Date</b>	2025/06/18
<b>Expire Date</b>	2028/06/17
<b>Issue Date</b>	2025/06/19

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	Orange to red fine powder	Conforms
Odor & Taste	Characteristic	Conforms
Identification	Positive	Conforms
Assay: Safranal	≥2%	2.07%
Assay: Crocins	≥4%	4.08%
Ratio	10:1	Conforms
Particle size	95% pass 80 mesh	Conforms
Loss on drying	≤5.0%	3.14%
Residue on ignition	≤10.0%	4.01%
Bulk density	0.3–0.6 g/ml	Conforms
Tap 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 ppm	<3 ppm
Arsenic (As)	NMT 2 ppm	<2 ppm
Mercury (Hg)	NMT 0.1 ppm	<0.1 ppm
Cadmium (Cd)	NMT 1 ppm	<1 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 100 CFU/g	<100 CFU/g
E. coli	Negative	Conforms
Salmonella	Negative	Conforms
Staphylococcus	Negative	Conforms

**General Status**

Non-GMO, Allergen Free, Non-Irradiation.

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