

# BaseBulk

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Apple Cider Vinegar Extract
<b>Botanical name</b>	Malus domestica
<b>Part used</b>	Young Fruit (100% Natural)
<b>Batch No.</b>	A20241030
<b>Manufacture date</b>	2024/10/30
<b>Issue date</b>	2024/10/31
<b>Expiry date</b>	2027/10/29
<b>Shelf life</b>	3 years

### Physical & Chemical Characteristics

<b>Analysis Item</b>	<b>Specification</b>	<b>Result</b>
Appearance	Off-white fine powder	Conforms
Odor & Taste	Characteristic	Conforms
Assay (Total acids as acetic acid)	$\geq 4.0\%$	5.26%
Particle size	100% pass 80 mesh	Conforms
Identification	Positive	Conforms
Loss on drying	$\leq 20.0\%$	2.77%
Residue on ignition	$\leq 10.0\%$	0.51%
Bulk density	0.35–0.65 g/ml	64.2 g/100 ml
Tapped density	0.6–0.9 g/ml	78.1 g/100 ml
Solubility	Soluble in water	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 1,000 CFU/g	<100 CFU/g
Coliform bacteria	NMT 10 CFU/g	<10 CFU/g
Salmonella	Negative	Negative
Staphylococcus	Negative	Negative

**General Status**

Non-GMO
Allergen Free
Non-Irradiation

Base Bulk