

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Lemon Balm Extract
<b>Botanical name</b>	Melissa officinalis
<b>Part used</b>	Herb
<b>Extract ratio</b>	10:1
<b>Batch No.</b>	L20240304
<b>Manufacture date</b>	2024/03/04
<b>Issue date</b>	2024/03/05
<b>Expiry date</b>	2026/03/03

### Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Brown yellow fine powder	Conforms
Odor & Taste	Characteristic	Conforms
Extract ratio	10:1	Conforms
Particle size	95% pass 80 mesh	Conforms
Identification	Positive	Conforms
Loss on drying	≤5.0%	3.15%
Residue on ignition	≤10.0%	4.07%
Bulk density	0.3–0.6 g/ml	Conforms
Tapped density	0.5–0.9 g/ml	Conforms

### Heavy Metals

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

**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	Conforms
Salmonella	Negative	Conforms
Staphylococcus	Negative	Conforms

**General Status**

Non-GMO
Allergen Free
Non-Irradiation

Base Bulk