

CERTIFICATE OF ANALYSIS

CoA No.: COA-2026-00002

Batch: CH-2026-0412

Expiry Date: 2028-06-02

Customer: Velvet Botanicals Ltd.

Product: Rosemary Extract RX-100 (RX-100)

Production Date: 2026-06-02

Analysis Date: 2026-06-10

HEAVY METALS

Parameter	Method	Specification	Result	Unit	Assessment
Lead (Pb)	ICP-MS (ISO 21392)	< 2 mg/kg	< 0.5	mg/kg	✓
Cadmium (Cd)	ICP-MS (ISO 21392)	< 0.1 mg/kg	< 0.05	mg/kg	✓
Mercury (Hg)	ICP-MS / CVAFS	< 0.1 mg/kg	< 0.02	mg/kg	✓
Arsenic (As)	ICP-MS (ISO 21392)	< 0.5 mg/kg	< 0.1	mg/kg	✓
Antimony (Sb)	ICP-MS (ISO 21392)	< 0.5 mg/kg	< 0.1	mg/kg	✓
Nickel (Ni)	ICP-MS (ISO 21392)	<= 1 mg/kg	0.3	mg/kg	✓
Chromium (Cr)	ICP-MS (ISO 21392)	<= 1 mg/kg	0.4	mg/kg	✓

MICROBIOLOGICAL

Parameter	Method	Specification	Result	Unit	Assessment
Total Aerobic Mesophilic Count (TAMC)	ISO 21149:2017	≤ 1,000 CFU/g	< 100	CFU/g	✓
Yeasts & Molds (TYMC)	ISO 16212:2017	≤ 100 CFU/g	< 10	CFU/g	✓
Escherichia coli	ISO 21150:2015	n.d. in 1 g	n.d.	—	✓
Pseudomonas aeruginosa	ISO 22717:2015	n.d. in 1 g	n.d.	—	✓
Staphylococcus aureus	ISO 22718:2015	n.d. in 1 g	n.d.	—	✓
Candida albicans	ISO 18416:2015	n.d. in 1 g	n.d.	—	✓

PHYSICO-CHEMICAL

Parameter	Method	Specification	Result	Unit	Assessment
Appearance	Visual vs. reference	Homogeneous, uniform phase	Conforms	—	✓
Color	DIN 5033 / CIE L*a*b*	ΔE < 3.0 vs. reference	Conforms	—	✓
Odor	Sensory vs. reference	Characteristic	Characteristic	—	✓
pH Value	ISO 4316 / Ph. Eur. 2.2.3	4.5 – 6.5	5.2	—	✓
Viscosity	ISO 3219 / DIN 53019	±15% of target value	1,180	mPa·s	✓
Density	ISO 2811-1 / Ph. Eur. 2.2.5	±0.010 of target value	0.998	g/mL	✓
Conductivity	DIN EN 27888	100 - 500 µS/cm	380	µS/cm	✓