



CERTIFICATE OF ANALYSIS

Non-GMO Peppermint Oil, Natural Dietary Ingredient

Identification

Test	Specification	Result	Method Description
Color/Appearance	Colorless to light yellow to yellow	Conforms	Sensory
GC Component ID and %	Meets standard	Conforms	GC-FID/MS
Genus species	Mentha piperita	Conforms	Document
Odor	Characteristic strong penetrating mint	Conforms	Sensory
Optical Rotation @ 25°C	-32 to -18 DEG	Conforms	Measure
Plant Part	Aerial Parts (flowering tops with flowers/stems/leaves)	Conforms	Document
Refractive Index @ 20°C	1.459 - 1.465	Conforms	Measure
Specific Gravity @ 25°C	0.896 - 0.908	Conforms	USP

Contaminants/Micro

Test	Specification	Result	Method Description
TVC/TAC	<1,000 cfu/g	Pass	AOAC/BAM/USP/Equiv

Contaminants/Heavy Metals

Test	Specification	Result	Method Description
Arsenic	NMT 2000 ppb	0 ppb	ICP-MS
Cadmium	NMT 820 ppb	0 ppb	ICP-MS
Lead	NMT 1000 ppb	41 ppb	ICP-MS
Mercury	NMT 400 ppb	10 ppb	ICP-MS

Approved by: Katarzyna Banaszewski *Katarzyna Banaszewski*
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