



LORANN OILS, INC.

www.lorannoils.com



Kalchem International, Inc.
Compounding Chemicals You Can Trust
234 S. Main • Lindsay, OK 73052

Certificate of Analysis

Item:	PEPPERMINT OIL
Item Number:	0070
Lot Code:	C0414
Appearance:	Colorless to pale yellow
Specific gravity @25°C:	0.8989
Refractive index@20°C:	1.460
Solubility in 70% Alcohol:	1:3
Optical Rotation:	-25.7
Storage:	60° - 80° F

Chemical Data by GC, FID

Menthol Content:	54.6%
Ester Content:	6.9%
Dimethyl Sulfide:	None detected
Heavy Metals:	Pass

Guaranteed not to be misbranded or adulterated within the meaning of the Federal Food, Drug and Cosmetic Act as amended on this date. All ingredients have been inspected and the finished product is in accordance with formulated specifications for this material. It has been processed in accordance with Good Manufacturing Practices and prescribed standards of sanitation as practiced in the industry. All ingredients are generally regarded as safe (GRAS), approved by a regulation of the F.D.A. or appear on the industry-approved register of safe ingredients for the flavor industry.

LorAnn Oils Inc. disclaims liability for any and all consequential damages arising out of and related to the use of its products. The user assumes all risks associated with the use of LorAnn products, whether used singly or in combination with other substances, and the user's sole remedy shall be limited to a full refund of purchase price or product or replacement if it fails to conform to the specification set forth as labeled. LorAnn Oils Inc. makes no warranty of any kind, either expressed or implied, as to the fitness for a particular purpose, suitability, or usage of its products.

Individuals or companies that use our flavors, emulsions, extracts, and essential oils outside their intended use, do so at their own risk and without warranty, either expressed or implied, from LorAnn Oils, Inc. or its suppliers. The user assumes all liability for loss, injury, damage or expense resulting from such uses.

Prepared By: Regulatory Department
Friday, May 21, 2021

C0414 - Peppermint Oil 0070