



## Specification Sheet

<b>Product Description:</b>	Rosemary Oil
<b>Expiration:</b>	3 years from date of manufacture
<b>Latin Name:</b>	<i>Rosmarinus officinalis</i>
<b>Country of Origin:</b>	Spain
<b>Item Code:</b>	RosOff1
<b>Storage Condition:</b>	Oils should be stored in an airtight container ranging from 59°F to 71°F; avoid light exposure.

### ORGANOLEPTIC SPECIFICATIONS

Organoleptic Analysis	Method	Limit/Range
Appearance	Visual Inspection	Semi-Opaque, Colorless to Pale Yellow, Mobile Liquid
Odor	Organoleptic with Control	Aromatic, Balsamic, Camphoraceous

### PHYSICAL ANALYSIS SPECIFICATION

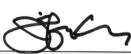

Physical Analysis	Method	Limit/Range
Specific Gravity	USP <841> or Equivalent Method	0.8920 to 0.9100
Optical Rotation	USP <781> or Equivalent Method	-2 to +21
Refractive Index	USP <831> or Equivalent Method	1.4640 to 1.4720

### GC CHEMICAL ANALYSIS SPECIFICATION

Component	Method	Limit/Range
alpha-Pinene	USP <621> and USP<733>	18-26%
1,8-Cineole	USP <621> and USP<733>	16-23%
Bornyl acetate	USP <621> and USP<733>	0.5-2.5%
Verbenone	USP <621> and USP<733>	0.7-2.5%
Camphor	USP <621> and USP<733>	12.5-22%

<b>Retained Samples</b>	1 container of 15 mL of oil, which contains the product name, item code, and lot number; must be pulled for Quality Control's retention samples.
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### AUTHORIZED APPROVAL

Department	Authorized Signatures	Date
Quality Laboratory Manager		09/11/2018
Quality Scientist		09/07/2018

<b>Effective Date</b>	09/11/2018 JLC
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