



Certificate of Analysis

Product Name	Orange Oil, Bitter
Botanical Name	Citrus aurantium
CAS #	68916-04-1
FEMA #	2823
Part Used	Fruit Peel
Extraction Method	Cold Pressed
Mfg. Date	June 2018
Best Before	May 2020

PROPERTIES	SPECIFICATIONS	RESULTS
Appearance	Pale yellow to yellow clear liquid	Conforms
Odour	Fresh, dry-bitter odour with sweet undertones	Conforms
Refractive Index	1.460 – 1.495 @ 20 °C	1.475
Specific Gravity	0.840 – 0.860 @ 20 °C	0.850
Optical Rotation	+88° to +97°	Conforms
Solubility	Insoluble in water, soluble in alcohol and oils	Conforms

Storage: store in cool, dry place in tightly sealed containers, protected from heat and light. When stored for more than 24 months, quality should be checked before use.

Disclaimer: The information contained in this Certificate of Analysis is obtained from current and reliable sources. EOC provides the information contained herein in good faith. Tested batches may vary slightly between each Certificate of Analysis produced, but each batch will meet the required specifications before approved for bottling.