



NAVADA IMPORTS

Navada Imports, LLC. | 225 Cedar Hill St. Suite 200 | Marlborough, MA 01752

Certificate of Analysis

PRODUCT: CLOVE LEAF OIL
MANUFACTURE DATE: MAY 2015
SHELF LIFE: 2 YEARS
LOT: NI-CLO-0515
CAS#: 8000-34-8
FLASH POINT: 200 DEG F

PARAMETERS	SPECIFICATION	RESULT
<i>Physical</i>		
Appearance	Pale Yellow Liquid	Very Pale Yellow Liquid
Odor	Typical Spicy Odor Characteristic of Clove	Pass
Specific Gravity (25C)	1.0330-1.0460	1.044
Refractive Index (20C)	1.5340-1.5380	1.5354
Optical Rotation	-1.5-0.0	-1.0
Solubility	Soluble in PG, most fixed oils with slight opalescence; Insoluble in Glycerine, Mineral Oil	Pass
GC Analysis	Profile to Match standard	Conforms to Standard
Solubility in Alcohol	1 ml in 2 ml of 70% alcohol slight opalescence may occur when more solvent is added	Pass
<i>Stability</i>		
Stable under normal conditions		
<i>Storage</i>		
The material should be kept in tightly closed containers protected from direct heat/sunlight and stored in cool dry place.		