



**PRODUCT SPECIFICATION  
COASTAL BRAND  
COLDPRESSED ORANGE OIL, NON-FCC WINTERIZED  
VCLLC P/N 215150 (TANKER), P/N 2151513 (DRUMS)**

**DESCRIPTION**

The volatile oil obtained by expression without the use of heat from fresh *Citrus Sinensis* L. Osbeck (family *Rustaceae*), Valencia variety. This oil is an intensely orange liquid having the characteristic odor of the fruit. It has been winterized to remove the waxy substances that precipitate upon mixing with alcohol.

**COUNTRY OF ORIGIN**

Product of the United States of America

**INGREDIENT STATEMENT**

Sweet orange oil or natural flavor. (GRAS: 21CFR182.20)

**CHEMICAL AND PHYSICAL SPECIFICATIONS (Typical)**

	<b>MINIMUM</b>	<b>MAXIMUM</b>
Specific Gravity (25 deg C)	0.842	0.851
Optical Rotation--angular degrees (100 mm tube at 25 deg C)	+93	+99
Refractive Index (20 deg C)	1.470	1.475
Aldehyde (%) w/w--expressed as decanal	0.50	1.10

**FILL (LBS)**

Approximately 45,000 lbs – tankers  
385 lbs – drums  
35 lbs - tins

**PACKAGING**

Tanker Bulk Tankers – Sanitized Stainless steel insulated tank trucks  
Epoxy coated drums, with inert gas flush of the headspace  
Epoxy coated tins with inert gas flush of the headspace

**SHIPPING TEMPERATURE**

15°F to 70°F – Filled at <15F from winterizing tanks;  
35 F to 70°F – Drums and Tins

**STORAGE TEMPERATURE AND CONDITIONS**

35°F to 70°F; Once received or drums/pails opened, citrus oils should be stored at cool temperatures in full containers with an inert gas-flushed headspace.

**SHELF LIFE**

24 months in unopened original container

**WARRANTY**

Ventura Coastal Corporation warrants to customer that at the time of shipment to customer, the ingredients delivered will meet the specifications herein provided. There are no other warranties, expressed or implied, including any warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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