



Essential Oil Exchange

Product: **11302**
Revision: **New**

Certificate of Analysis

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| Product Name | Latin Binomial | Country of Origin | SKU | Shelf Life |
|---------------------|-------------------|-------------------|------------|------------|
| Mandarin Oil | Citrus reticulata | Italy | 11302 | 2 Years |
| Quality | Extraction Method | Flash Point | Parts Used | |
| 100% Pure & Natural | Cold Pressed | 120 F | Peel | |

| Analysis Value | Specification |
|--|--|
| COLOR : Red | Red |
| ODOR DESCRIPTON : Characteristic of the fresh outer peel of mandarin | Characteristic of the fresh outer peel of mandarin |
| Optical Rotation : 71.10 | 64 to 75 |
| Refractive Index : 1.4742 | 1.4730 to 1.4770 |
| Relative Density : 0.8480 | 0.8460 to 0.8530 |
| A Pinene : 2.11 | Conforms to standard |
| B Pinene : 1.78 | Conforms to standard |
| Limonene : 72.13 | Conforms to standard |
| G Terpinene : 18.12 | Conforms to standard |
| Methyl N methylantranilate : 0.28 | Conforms to standard |

| Information | Identification |
|--------------|------------------------------------|
| FEMA No. | 2657 |
| CAS No. | 8008-31-9 |
| Health | Slightly Hazardous |
| Flammability | Will ignite if moderately heated |
| Reactivity | Stable and not reactive with water |

| Information | Fire, Explosion and Reactivity |
|---------------------|--|
| Flash Point | 120 F |
| Extinguishing Media | CO2 – Yes / FOAM – Yes / DRY – Yes |
| Stability | Stable |
| Fire Fighting | Cool containers exposed to fire with water |



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Hazardous Combustible Decomposition Products

Forms carbon monoxide and/or dioxide upon burning

| Information | Physical Data |
|------------------|---|
| Color and Odor | Clear, pale yellow liquid with fresh, sweet/spicy scent |
| Vapor Pressure | 2 |
| Water Solubility | Insoluble |

| Information | Protection Data |
|-------------|--|
| Respiratory | Avoid casual breathing |
| Ventilation | Local explosion proof exhaust recommended |
| Skin | Wear impermeable gloves |
| Eye | Goggles giving complete protection to eyes / eyewash bottle with clean water |
| Other | Do not eat, drink or smoke while handling |

| Information | Emergency First Aid |
|--------------|---|
| Inhalation | Seek fresh air |
| Eye Contact | Wash eyes immediately and abundantly with clean running water at low pressure |
| Skin Contact | Remove contaminated clothing / Wash skin with soap and water |
| Ingestion | Rinse mouth / Consult doctor / Do not induce vomiting |

| Information | Handling and Disposal |
|-----------------------|--|
| Handling and Shipping | Store in tightly sealed container in a cool, dry place away from sources of heat |
| Waste Disposal | Follow any federal, state or local laws / Do not dispose of in sewer |

Disclaimer: The test results listed are accurate to the best of our knowledge based upon reputable labs and their testing methods. These results should not be used as a final determination for use in a finished product. According to GMP regulations, the specifications, test methods, and test results may be independently qualified by the purchasing party. The appropriate use of this product is the sole responsibility of the user and/or the purchasing party.