

Certificate of Analysis

Product:	Mandarin, Red Essential Oil
Botanical Name:	Citrus reticulata
LOT #:	BRMANORG160414
Manufacturing Date:	04/14/2016
Best by Date:	04/14/2018
Extraction Method:	Cold Pressed
Part Used:	Peel
Quality:	Pure & Natural
Cultivation:	100% Natural - Chemical & Pesticide Free
Country of Origin:	Italy

	Specification	Result
Appearance:	Orangish yellow to a dark orange liquid	Complies
Odor:	Characteristic sweet citrusy odor	Complies
Solubility:	Soluble in alcohol and oils, Insoluble in water	Complies
Specific Gravity:	0.847 – 0.855 @ 20°C	0.8527 (Compiles)
Optical Rotation:	+63 to +78 @ 20°C	+ 71.60 (Compiles)
Refractive Index:	1.470 – 1.475 @ 20°C	1.4751 (Compiles)

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