

Certificate of Analysis

Product: NEROLI BIGARADE OIL ORGANIC

Botanical Name: *Citrus aurantium*

Origin: Egypt

PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO YELLOW-AMBER	YELLOW
CLARITY	CLEAR,NO FOREIGN MATTER	CLEAR,NO FOREIGN MATTER
ODOUR	INTENSE BUT LIGHT, REFRESHING,FLORAL	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.860 to 0.890	0.874
OPTICAL ROTATION @ 20°C	+1° to +27°	+5°
REFRACTIVE INDEX @ 20°C	1.464 to 1.474	1.467

CHROMATOGRAPHIC PROFILE

TEST	SPECIFICATION	RESULT
β-PINENE	2 to 8	0.4
D-LIMONENE	1 to 25	13
β-OCIMENE	1 to 10	1
LINALOOL	20 to 48	44
α-TERPINEOL	1 to 10	4
NEROL	Trace to 5	1
LINALYL ACETATE	5 to 25	14
NERYL ACETATE	Trace to 5	1
GERANYL ACETATE	Trace to 5	2
E-NEROLIDOL	Trace to 5	1
FARNESOL	Trace to 5	1