

# Certificate of Analysis

**Gracefruit Ltd**  
**146 Glasgow Road,**  
**Longcroft,**  
**Stirlingshire, FK4 1QL**  
**www.gracefruit.com**  
**VAT Number: 935**  
**8115 14**  
**EORI Number:**  
**GB9358 1151 4000**  
**Company Number:**  
**SC374368**

Raw Material Code:	R00278	Product Description:	Neem Oil, CP
INCI Name:	Azadirachta Indica Seed Oil		
EINECS Number:	Not Listed	CAS Number:	8002-65-1 / 84696-25-3
Date of Production:	September-2015	Best Before:	September-2018
Lot Number:	1000144926	Retest Date:	-

Analytical Details	Result
Appearance	Brown to greenish brown oily liquid at room temperature. Will start to solidify at temperatures below 20°C
Odour	Strong Odour. Characteristic of Neem
Specific Gravity @ 20°C	0.94
Refractive Index @ 20°C	1.477
Peroxide Value	1.91
Saponification Value	195.26
Unsaponifiable Matter (%)	1.08
Iodine Value (Calc.)	61.1
Acid Value (mg KOH/g)	5.44
Azadiractin Content (ppm)	188.28

Myristic Acid	C14:0	<0.1
Palmitic Acid	C16:0	17.8
Stearic Acid	C18:0	16.5
Oleic Acid	C18:1	50.1
Linoleic Acid	C18:2	15.4