

# Certificate of Analysis

## Gracefruit Ltd

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: October-2016

Best Before: October-2017

Lot Number: L000199182

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	0.916
Refractive index @ 20°C	1.4713
Peroxide Value (MeqO <sub>2</sub> /kg)	1.25
Saponification Value	192.4
Unsaponifiable Matter	0.59
Iodine Value	72.9
Acid Value (mg KOH/g)	3.61
Azadiractin Content (ppm)	232.9

Myristic Acid	C14:0	Not Detected
Palmitic Acid	C16:0	17.04
Stearic Acid	C18:0	11.56
Oleic Acid	C18:1	56.97
Linoleic Acid	C18:2	13.75