

# 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:	August-2017	Best Before:	July-2019
Lot Number:	L000242442	Retested date:	

Analytical Details	Result
Appearance	Brown to greenish oily liquid at room temperature. Will start to solidify at temperatures below 20°C
Odour	Strong odour, Characteristic of Neem
Specific Gravity @ 20°C	0.929
Refractive Index @ 20°C	1.472
Peroxide Value MeqO <sub>2</sub> /kg	0.83
Saponification Value	188
Unsaponifiable Matter	0.5
Iodine Value	72.8
Acid Value (mg KOH/g)	1.55
Azadiractin Content (ppm)	188.3

Myristic Acid	C14:0	<0.1
Palmitic Acid	C16:0	18.03
Stearic Acid	C18:0	18.03
Oleic Acid	C18:1	52.92
Linoleic Acid	C18:2	18.03