

## Certificate of Analysis

Raw Material Code	R00278
Product Name	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 Date	July/2019

Customer Name	GRACEFRUIT LTD
Lot Number	P266682
Sales Order Number	KS054780
Sales Order Line	3
Raw Material Lot	L000242442

Parameter	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
Peroxide Value (meq O <sub>2</sub> / kg)	0.83
Acid Value	1.55
Refractive Index @ 20°C	1.472
Specific Gravity @ 20°C	0.928
Myristic Acid : C14:0	<0.1
Palmitic Acid : C16:0	18.03
Stearic Acid : C18:0	15.13
Oleic Acid : C18:1	52.92
Linoleic Acid : C18:2	11.88
Iodine Value	72.8
Azadiractin Content (Ppm)	188.3
Saponification Value	192.1
Unsaponifiable Matter	0.54
