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Certificate of Analysis

Product Details		
Product name	Neem Oil	
Genus/species	<i>Azadirachta indica</i>	
Part used	Seed kernels	
Color and appearance	Blackish Brown	
Organoleptic characters	Garlic repulsive odor	
Parameter	Standard Specification	Result
Physico-Chemical Analysis		
Solubility	Dispersible in water after stirring	Confirms
Suspensibility	Above 98%	Complies
Melting point	110°C	Confirms
Moisture & insoluble impurities	1%	Confirms
Azadirachtin	1500 ppm	Confirms
Refractive Index at 40°C	1.4615 to 1.4705	Complies
Specific Gravity at 30°C	0.908 to 0.934	Complies
Titer	35.8°C	Confirms
Iodine Value	65-80	Complies
Saponification Value	175 to 205	Complies
Unsaponification matter % by Wt.	2 % By Mass	Confirms
F.F.A. % By Weight	Upto 15 %	Complies
Metal Analysis		
<i>Iron content</i>	<i>14.00 ppm</i>	Confirms
<i>Magnesium (on dry basis)</i>	<i>0.40 ppm</i>	Confirms
<i>Zinc as Zn</i>	<i>120.00 ppm</i>	Confirms
<i>Nitrogen as 'N'</i>	<i>1.20% by mass</i>	Confirms
<i>Phosphorous as 'P'</i>	<i>0.07% by mass</i>	Confirms
<i>Potassium as 'K'</i>	<i>0.01% by mass</i>	Confirms
Packing	International Standard packaging	

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