

# plantneeds

## Healthy & Sustainable Living



21a Nathan Drive,  
Campbellfield, Victoria  
3061, Australia



[info@plantneeds.com.au](mailto:info@plantneeds.com.au)  
[info@plantneeds.us](mailto:info@plantneeds.us)



AUS: +613 90058578  
US: +1(408) 290-9940



[www.plantneeds.com.au](http://www.plantneeds.com.au)  
[www.plantneeds.us](http://www.plantneeds.us)

22692 Liberty Oak Lane,  
Cupertino, CA 95014

# PLANO



Plantneeds neem oil is pure in nature and is extracted from patented method of temperature controlled process and zero ingredients loss. It is a natural extraction method that retains all the Sulphur, Proteins, Glycerides, many other biological components and trace elements. It supplies nutrients to the plants as well as conditions the soil. It is absorbed by the plants through the roots and is supplied to all parts of the plant through xylem which helps the plants to gain the nutrients for photosynthesis process. It restores plant from excess salts in soil.



PLANO is certified under the standards:

- Australian Certified Organic ACO
- NPOP Organic Standard
- OMRI Listed

PLANO unlocks the nutrients from the soil so that plant can easily absorb the nutrients from the soil. It is eco-friendly.

### Test Report

SAMPLE NOT DRAWN BY SGS INDIA PVT. LTD.

Sample / Report No : CG19-003901.001

ULR No : TCS0061900000546F

Print Date : 07/03/2019

JOE No : CG19-003901

Report Control No : CGR0001011899

Sample described by customer as : PLANO-NEEM SEED OIL

Customer Name : PLANT NEEDS PTY LTD

Customer Address : AEN 74130532375, 21 A NATHAN DRIVE

City : CAMPBELLFIELD

Country : VIC 3061

Country : AUSTRALIA

Sample Type : PLANO-NEEM SEED OIL

Received : 04/03/2019

Sample Qty, Recd. : 100ML

Mark on sample : PLANO

Batch No. : AEL/EXP/IAN/2019

Mfg Date : JAN 2019

Exp Date : DEC 2021

Test Start : 04/03/2019

Test End Date : 07/03/2019

Test/Parameter	Method	Result	Unit
Iodine value	(S 540 (Part 1) : 1964	78	-
Saponification value	(S 540 (Part 1) : 1964	202	-
Free fatty acid(as oleic acid)	(S 540 (Part 1) : 1964	4.74	g /100 g
Moisture	(S 540 (Part 1) : 1964	0.11	g /100 g
Insoluble Impurity	(S 540 (Part 1) : 1964	Allowed	-
Sulphur (as S)	ISO 14646-TE-003 by ICPOES	275.71	mg/100g

Per pro SGS India Private Ltd

M Parthasarathy

Authorized Signatory

# PLANC



Neem cake residue that has been obtained from crushing the neem seed can be used as a bio-fertiliser and conditioner of soil. It obtains high yields of crop as it provides food for crop plants. PLANC is available in triple forms as powder, granule and pellet. It has a triple mechanism of acting as a fertiliser, soil conditioner and soil ameliorates. It provides macro nutrients from soil to plants. PLANC is the best way to improve the soil efficiency levels in the long run by maximising the crop yields. PLANC can also be used as a manure as it is ecofriendly and bio-degradable, eliminates bacteria responsible for denitrifying the soil which in turn reduces the intake of fertilisers as well as decreases the crop cost. PLANC is comprised of Neem which makes it more reliable leading to detoxification of soil for most possible aeration.



PLANC is Australian Certified Organic ACO and Apof Organic certified

**SWEP**  
PTY. LTD.

ABN 26 006 031 969

**ANALYTICAL  
LABORATORIES**

Tel: (03) 9701 6007  
Fax: (03) 9701 5712

**REPORT ON SAMPLE OF FERTILISER**

FILE NO : 1906143002

DATE ISSUED : 27/06/2019

PLANT NEEDS PTY LTD  
21A NATHAN DRIVE  
CAMPSFIELD, VIC 3061

CLIENT ID : PLAC01  
PHONE : 03 9008 8878

**REFERENCE :**

SAMPLE ID : PLANC  
ANALYSIS REQUIRED : Full (F1-Q2) Biohazard

**REFERENCE ID :**

PHONE :  
DATE RECEIVED : 24/06/2019  
SOURCE :

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	2.32	Dumas method, TAS*
TOTAL PHOSPHORUS	P	%	0.243	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	1.4	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	0.322	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	0.656	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.204	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.0267	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	1630	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	41.2	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	23.7	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	8.91	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	0.731	Acid digestion, ICPAES
TOTAL BORON	B	ppm	24.8	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	1.04	Acid digestion, ICPAES
pH	1:5 Water		5.13	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	4360	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	47	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	4.88	Gravimetric method
CARBON / NITROGEN RATIO	C/N		20.26	Calculation
E.Coli		MPN/g	<3	
Salmonella		per 50 grams	Not Detected	
Listeria		per 50 grams	Not Detected	

\* Rayment, G.E. & Lyons, D.J. (2011). Soil Chemical Methods - Australia. CSIRO Publishing, 150 Oxford Street, Collingwood Vic 3066, Australia



# FISH N PHOS



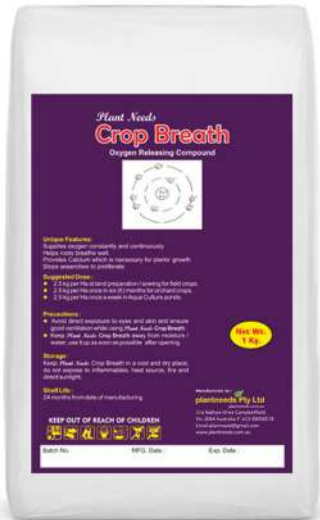
Fish N Phos can bring a change in the soil condition and its efficiency by opening the soil and plant fertility at a time. It acts as a food for soil web by supplying nutrients to plants. It helps in improving the soil strength.

# CROP BREATH

### Certificate of Analysis

01. Name of the Product	:	Crop Breath
02. Quantity	:	50 Kg.
03. Packing	:	In 1 Kg. Bi-laminated Pouches
04. Batch No.	:	POXY190901
05. Date of Mfg.	:	22-09-2018
06. Date of Exp.	:	21-09-2020
06. Date of Analysis	:	22-09-2018
08. Analytical Results:		
Physical state & Colour	:	Free flowing white powder
Calcium peroxide Content	:	40.3%

**Remarks:** Above product complies with our standards and specifications.



Crop breath helps in root respiration to absorb water and other minerals in the soil intended for photosynthesis. It supplies calcium which plays active part in cell and root growth. Excess calcium in roots helps in increasing buffering capacity as well decreases the nutrient deficiency. Crop breath aids in slow but consistent release of oxygen in root zone. When sufficient levels of oxygen, nutrients and other micro-organisms are available they are immediately converted into microbial mass, water and carbon dioxide.

**ROOT WORK**

**PLANT PROBIOTICS  
FOR BIO-PRIMING**

20.0%  
 10.0%  
 28.0%  
 25.0%  
 10.0%  
 54.0%  
 02.2%  
 01.0%

aster. First spray at  
 9 interval for each  
 ed pesticides and

**PLANT PROBIOTICS FOR BIO-PRIMING**  
 Enhances root system, tolerance to insect pest and diseases, results in increased  
 nutrient uptake and thereby improved yields.

MFG. Date :                      Exp. Date :

KEEP OUT  
 Mfg. by  
 plan  
 21a Nu  
 Vio-306  
 Email a  
 www.p

**ROOT WONDERS**

**PLANT PROBIOTICS FOR BIO-PRIMING**

PLANT PROBIOTICS FOR BIO-PRIMING  
 Enhances root system, tolerance to insect pest and diseases, nutrient uptake and overall plant health.

MFG. Date: 11/05/2013 Exp. Date: 10/05/2016

01. Name of the Product	Root Work
02. Quantity	20.10Kg
03. Packing	In 100g and 250g HDPE Bottles
04. Batch No.	RB-190501
05. Date of Mfg	11-05-2019
06. Date of Expiry	10-05-2020
07. Date of Analysis	12-05-2019
08. Analytical Results:	

S.no	Parameters	In house – Standard	Results
1.	Physical state & Appearance	Black colour powder	Black colour powder
2.	pH (10g. dissolved in 1 L DM water)	7-8	7.54
3.	Odour	Characteristic odour	Characteristic odour
4.	Seaweed extract Organic carbon Protein hydrolysates of vegetative origin Vitamins Soil probiotics	Min. 26% Min. 39%  Min. 9 % Min. 24% Min. 2%	Passes Passes  Passes Passes Passes
5.	Bacterial pathogenic contaminants	Salmonella, Shigella and Vibrio – Absent	Nil

**Remarks:** Above product complies with our standards and specifications.

# GROW N SAVE



GROW n SAVE - an Organic fertiliser that can be made up of 100% neem cake. It acts as a universal plant fertiliser and soil conditioner as it feeds and protects the plants. It adds organic matter to the soil and improves the texture of soil making it rich in nutrients and other microbial nutrients that yield for more healthy flora and fauna. It also plays an important role in improving micro flora. It retains moisture in soil. It is more suitable for indoor lawns and outdoor plants. It has natural plant nutrients in it.



**SWEP** PTY. LTD. ANALYTICAL LABORATORIES

ABN 26 006 031 969

Tel: (03) 9701 6007  
Fax: (03) 9701 5712

REPORT ON SAMPLE OF FERTILISER

FILE NO: 1906143592

DATE ISSUED: 27/06/2019

PLANT NEEDS PTY LTD  
21A NATHAN DRIVE  
CAMPSFIELD, VIC 3061

CLIENT ID: PLAC21  
PHONE: (03) 9006 9578

REFERENCE:

SAMPLE ID: PLANC  
ANALYSIS REQUIRED: Full (PT-2) Biohazard

REFERENCE ID:

DATE RECEIVED: 24/06/2019  
SOURCE:

ITEMS	ABBREVIATION	UNIT	RESULTS	ANALYTICAL METHODS
TOTAL NITROGEN	N	%	2.32	Dumas method, TAS*
TOTAL PHOSPHORUS	P	%	0.243	Acid digestion, ICPAES
TOTAL POTASSIUM	K	%	1.4	Acid digestion, ICPAES
TOTAL SULPHUR	S	%	0.322	Acid digestion, ICPAES
TOTAL CALCIUM	Ca	%	0.656	Acid digestion, ICPAES
TOTAL MAGNESIUM	Mg	%	0.204	Acid digestion, ICPAES
TOTAL SODIUM	Na	%	0.0267	Acid digestion, ICPAES
TOTAL IRON	Fe	ppm	1630	Acid digestion, ICPAES
TOTAL MANGANESE	Mn	ppm	41.2	Acid digestion, ICPAES
TOTAL ZINC	Zn	ppm	23.7	Acid digestion, ICPAES
TOTAL COPPER	Cu	ppm	8.91	Acid digestion, ICPAES
TOTAL COBALT	Co	ppm	0.731	Acid digestion, ICPAES
TOTAL BORON	B	ppm	24.8	Acid digestion, ICPAES
TOTAL MOLYBDENUM	Mo	ppm	1.04	Acid digestion, ICPAES
pH	1:5 Water		5.13	Method 4A1, water suspension*
Electrical Conductivity		µS/cm	4390	Method 3A1, water extract*
TOTAL ORGANIC CARBON	OC	%	47	Method 6B2, LECO*
MOISTURE CONTENT	MC	%	4.88	Gravimetric method
CARBON / NITROGEN RATIO	C/N		20.26	Calculation

E Coli MPN/g <3  
Salmonella per 50 grams Not Detected  
Listeria per 50 grams Not Detected

\* Rayment, G.E. & Lyons, D.J. (2011) Soil Chemical Methods - Australia. CSIRO Publishing, 150 Oxford Street, Collingwood Vic 3066, Australia

# STOP BORNE & STOP BORNE-E



STOP BORNE & STOP BORNE-E - they are universal disinfectants, non-toxic, biocide. They are useful in eliminating moulds, fungi, yeast and other microbial organisms that cause negative effect in growth of plants. Ions of silver and copper are present in stop borne which increases its action course in different sectors as disinfectant such as food processing, agriculture, floriculture, poultry, food and beverages, whereas in stop borne-e there are only silver ions present in the structure which makes it more eco-friendly and can be used in hospitals as a disinfectant. It does not leave any residue behind.

## Certificate of Analysis

- 01. Name of the Product : STOP BORNE
- 02. Quantity : 20 Lt.
- 03. Packing : In 1 Lt HDPE Bottles
- 04. Batch No. : PSSC180901
- 05. Date of Mfg. : 22-09-2018
- 06. Date of Exp. : 21-09-2019
- 06. Date of Analysis : 22-09-2018
- 07. Analytical Results:

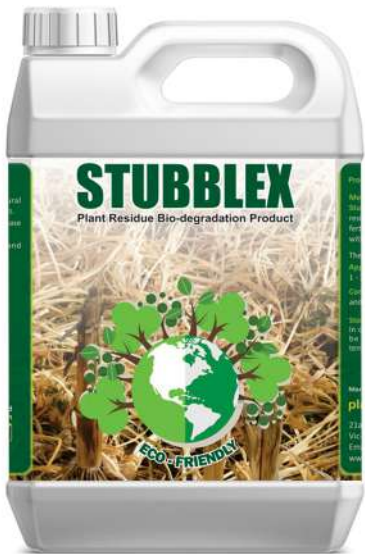
S No.	Parameters	In house –standard	Results
1.	Physical State and appearance	Yellowish red colour liquid	Yellowish red colour liquid
2.	pH	4 – 5	4.38
3.	Odour	Characteristic odour	Characteristic odour
4.	Potency – Ag. Cu	Min. 100 ppm Min. 100 ppm	Passes

Remarks: Above product complies with our standards and specifications.





# STUBBLEX



STUBBLEX- A safe product created to convert all the residue of crops post-harvest into cellulose and lignin decomposing compounds to use as a decomposed organic matter. Some farmers might burn the crop in fields to eliminate crop residues but stubblex helps us to not go through all these measures instead when sprayed on the crop left overs it decomposes them and leaves an organic matter which further increases the fertility of soil with the help of earthworms in an eco-friendly way.



### CERTIFICATE OF ANALYSIS

01. Name of the Product	:	STUBLEX		
02. Quantity	:	20 Lt.		
03. Packing	:	In 1 Lt HDPE Bottles		
04. Batch No.	:	PST180901		
05. Date of Mfg.	:	22-09-2018		
06. Date of Exp.	:	21-09-2020		
07. Date of Analysis	:	22-09-2018		
<b>PHYSICAL PARAMETERS</b>		<b>Test Methods</b>	<b>STANDARDS</b>	<b>Results</b>
1. Smell		Olfactory	Characteristic	Characteristic
2. pH		Probe/Meter	3 – 3.5	3.26
3. Appearance		Visual	Light blackish brown liquid	
<b>4. Components</b>		<b>STANDARDS</b>	<b>Results</b>	
Potassium Humate		NLT 1%	Passes	
Fungal Diastase		300 IU/g	Passes	
Beta Amylase		500 IU/g	Passes	
Glucosylase		150 IU/g	Passes	
Cellulase		1000 IU/g	Passes	
Hemicellulase		400 IU/g	Passes	
Pullulanase		400 IU/g	Passes	
Alkaline Protease		150 IU/g	Passes	
Beta Glucosidase		50 IU/g	Passes	
Mannanase		200 IU/g	Passes	
Pectinase		75 IU/g	Passes	
Xylanase		100 IU/g	Passes	
Surfactants		0.2-0.4%	Passes	
Phytase		200 IU/g	Passes	
Galectosidase		200 IU/g	Passes	
Xylanase		25 IU/g	Passes	
Water		65-80%	Passes	
<b>5. Contamination</b>		<b>STANDARDS</b>	<b>Results</b>	
microbial				
Contaminants		<1.0 x 10 <sup>3</sup> cfu/ml	1.30 x 10 <sup>3</sup> CFU/ml	
Bacterial Pathogenic	*			
Contaminants :		Nil	Absent	
<b>Remarks:</b> Above product complies with our standards and specifications.				



# EXTRA VIRGIN COCONUT OIL

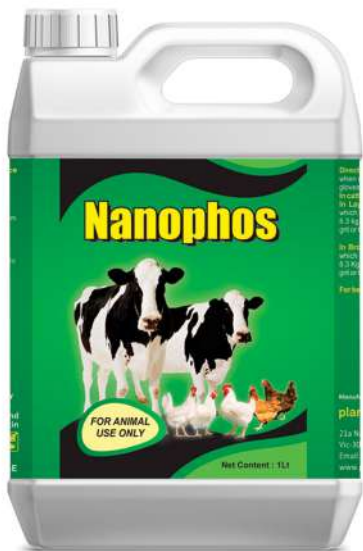


EXTRA VIRGIN COCONUT OIL- Coconut oil has many beneficiary properties such as antibacterial, anti-viral and anti-fungal. It can be used for baking, cooking, heating, stir-frying and conditioning hair and skin. It is cold pressed, chemical free. Develops good immune system. Helps in burning fat and improves muscle structure.



TEST REPORT				
Report No : TUV(I)687/18-19/9081810522			TUV INDIA PRIVATE LIMITED	
Date: 01 Sep 2018			No. 8, "PDS Tower", 2nd Floor,	
Name & Address of Customer			III Main Road, 6th Block,	
Dr. Shekar & Sadashiva Agri Pvt Ltd			Opp. KSSIDC IT Park,	
Gulvady Post Gulvady			Rajajinagar Industrial Estate,	
Kundapura Karnataka 576283			Bangalore - 560 010.	
Reg No.			CIN : U74140MH1989PTC0529	
687/18-19			Phone : (080) 4052 3000	
CA No.			Toll Free : 1800-259-2902	
9081810522			Fax : (080) 4052 3031	
Date of sample receipt			Email : blone@tuv-nord.com	
20 Aug 2018			Website : www.tuv-nord.com/in	
Date(s) of analysis				
22 Aug 2018-01 Sep 2018				
Sample Drawn by			Customer	
SlNo	Test Name	Results	Unit	Test Method
Sample Name : Extra Virgin Coconut Oil CA No : 9081810522				
<b>Chemical Tests</b>				
1	Moisture	0.09	g/100g	IS 548 (P-1) : 1954 (RA 2010)
<b>Microbiology Tests</b>				
2	Total Viable Count	<10	CFU/g	IS 14648 : 2011
3	Gram Negative Bacteria	Absent	Per g	IS 14648 : 2011

# NANO PHOS



Phosphorous is a nutrient that is essential for both plants and animals. In animals the absence of phosphorous might lead to deformed bones, blood deficiency and slow growth of tissues. All these ailments can be avoided on feeding the cattle with nano phos. It aids the cattle for growth and proper hormonal balance which helps improving the appearance of the cattle.



CERTIFICATE OF ANALYSIS		
01. Name of the Product	:	NANO PHOS
02. Quantity	:	20 Lt
03. Batch No.	:	PNP180901
04. Date of Mfg.	:	22-09-2018
05. Date of Exp	:	21-09-2020
06. Date of Analysis	:	23-09-2018
07. Analysis:		
Item	Standards (IITS)	Results
1. Appearance	Light Brown viscous liquid.	Passes
2. pH	2 to 3	Passes
3. Solubility	Dispersible in water	Passes
4. Odour	Characteristic	Passes
5. Microbial Count	Negative	Passes
6. Specific gravity	0.95-1.15	Passes
7. Particle size		
By TEM	150-400 nm	Passes
8. Assay	NLT 10000 ppm Calcium	1.2 g/100 ml Passes
	NLT 50 IU/100 ml Vitamin D3	80 IU/100 ml
9. Stability:	Stable at Room Temp	Passes
Remarks: The sample complies with our specifications.		

# NANO CAL



It helps in supplying calcium to the cattle. Deficiency in Calcium levels in cattle might lead to bone deformations, low fertility that results in decreased reproduction rate and low growth rate. Nano Cal when provided to the cattle improves the bone strength in cattle as well as increases the fertility rate, healthy growth can be visible in animals.

## CERTIFICATE OF ANALYSIS

01. Name of the Product	:	NANO CAL
02. Quantity	:	20.00 Lt
03. Batch No.	:	PNC180901
04. Date of Mfg.	:	22-09-2018
05. Date of Exp.	:	21-09-2020
06. Date of Analysis	:	23-09-2018

### 07. Analysis:

Item	Standards (IHS)	Results
1. Appearance	Light Brown viscous liquid.	Passes
2. pH	0.9-1.5	Passes
3. Solubility	Dispersible in water	Passes
4. Odour	Characteristic	Passes
5. Microbial Count	Negative	Passes
6. Specific gravity	0.9-1.3	Passes
7. Particle size		
By TEM	NMT 600 nm *	Passes
8. Assay	NLT 10000 ppm Calcium NLT 50 IU/100 ml Vitamin D3	1.2 g/100 ml Passes 80 IU/100 ml Passes
9. Stability:	Stable at Room Temp	Passes

Remarks: The sample complies with our specifications.

# NANO FAT

Nano fat is a supplement of fat in cattle. Cattle requires correct amount of fat in their body as it increases their growth hormone production, increases the weight of deficit animal bodies. Loss of fat leads to decrease in weight of cattle and improper growth in them. Fats are an important part of cell formation in tissues. Nano Fat helps in uniform growth of cattle.

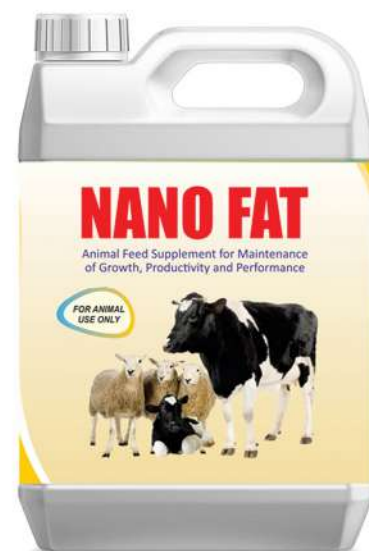
## CERTIFICATE OF ANALYSIS

01. Name of the Product	:	NANO FAT
02. Quantity	:	50.00 Lt
03. Batch No.	:	PNF190501
04. Date of Mfg.	:	11-05-2019
05. Date of Exp.	:	10-05-2020
06. Date of Analysis	:	* 11-05-2019

### 07. Analysis:

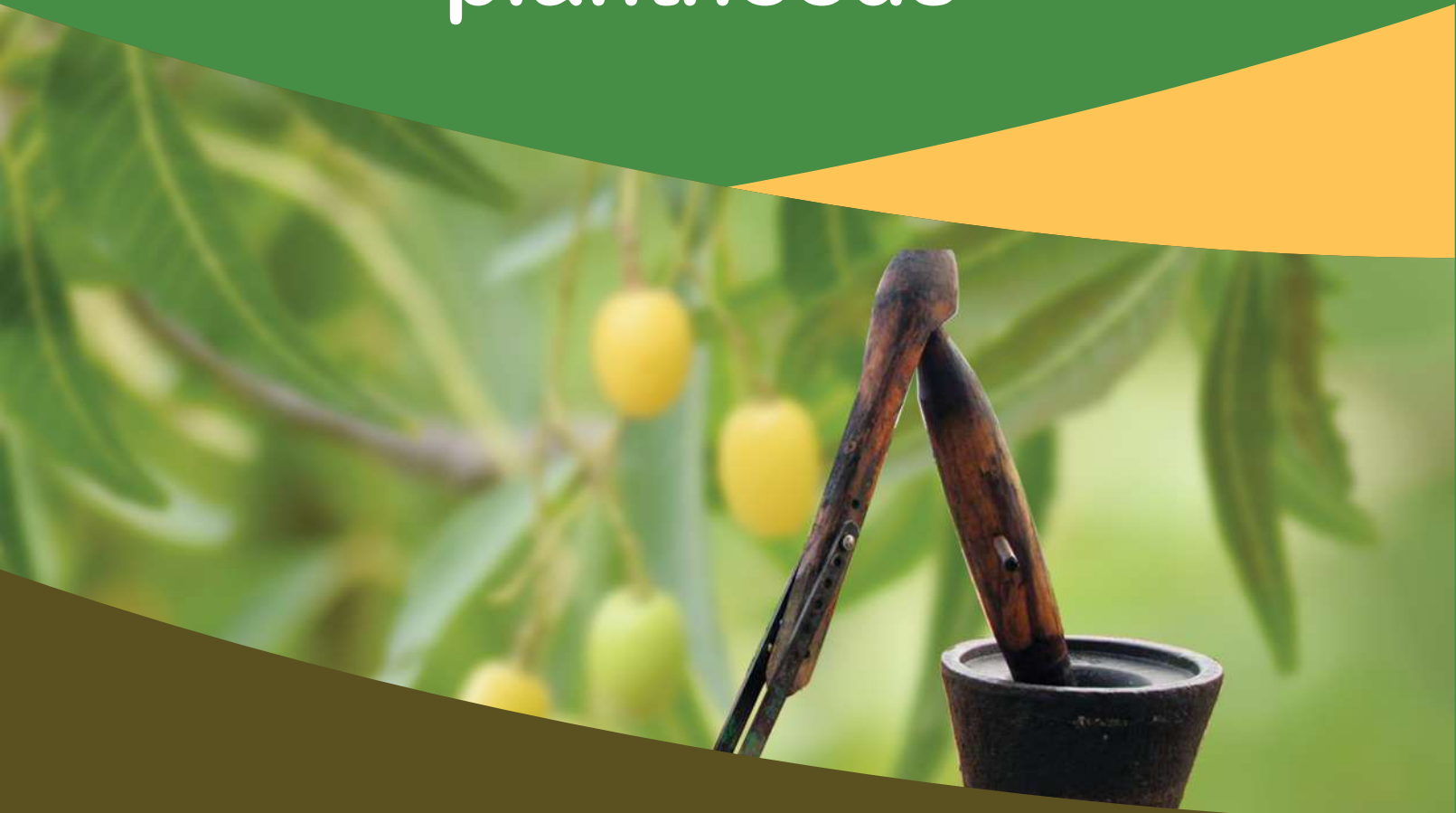
Item	Standards (IHS)	Results
1. Appearance	Light Brown viscous liquid.	Passes
2. pH	0.9-1.5	Passes
3. Solubility	Dispersible in water	Passes
4. Odour	Characteristic	Passes
5. Microbial Count	Negative	Passes
6. Specific gravity	0.9-1.3	Passes
7. Particle size		
By TEM	NMT 600 nm	Passes
8. Assay	NLT 10000 ppm FAT	1.2 g/100 ml Passes
9. Stability:	Stable at Room Temp	Passes

Remarks: The sample complies with our specifications.





# plantneeds



[info@plantneeds.com.au](mailto:info@plantneeds.com.au)  
[info@plantneeds.us](mailto:info@plantneeds.us)



AUS: +613 90058578  
US: +1(408) 290-9940

[www.plantneeds.com.au](http://www.plantneeds.com.au)  
[www.plantneeds.us](http://www.plantneeds.us)



Australian Office:  
21a Nathan Drive,  
Campbellfield, Victoria 3061,  
Australia

USA Branch:  
22692 Liberty Oak Lane,  
Cupertino, CA 95014



Scan the above code to  
visit our website