



GAPKEY
GENERAL TRADING



بلدية مدينة أبوظبي
ABU DHABI CITY MUNICIPALITY

Abu Dhabi Municipality

SOSPalm Endoterapy System

Marina - Abu Dhabi - UAE
09 April 2019

UNITED ARAB EMIRATES
MINISTRY OF ECONOMY



الإمارات العربية المتحدة
وزارة الاقتصاد

1065

شهادة براءة الاختراع



***Pseudophilus testaceus* Gah.**
***Jubesea hammersmidtii* Reiche**
STEM BORER





PALM 1



Palm type:

Age:

Status: D

Date of recollection:

Offshoots: N

Height: 8 m

Protocol SOS Palm: Healing

DATE	STATUS
09-04-2019	Done
24-04-2019	Done
09-05-2019	Done
26-05-2019	Done



PALM 2



Palm type:

Age:

Status: D

Date of recollection:

Offshoots: N

Height: 6 m

Protocol SOS Palm: Healing

DATE	STATUS
09-04-2019	Done
24-04-2019	Done
09-05-2019	Done
26-05-2019	Done



PALM 3

Palm type:

Age:

Status: D

Date of recollection:

Offshoots: N

Height: 6 m

Protocol SOS Palm: Healing



DATE	STATUS
09-04-2019	Done
24-04-2019	Done
09-05-2019	Done
26-05-2019	Done



Trial Team



Installation SOS Palm Peg



Injection SOS Palm Protocol



SOS Palm System



2nd Injection: 24/04/2019



3rd Injection:09/05/2019



4th Injection: 26/05/2019



23/06/2019 Dissection of The Palm Tissue



Review of the protocol conducted. Inspecting the effect of treatment.



Preparation of Dissection of The Palm Tissue



Dissection of The Palm Tissue



Dissection of The Palm Tissue



Inspection of the trunk in areas with exudations caused by larvae



Damage caused by the larvae.
No alive larvae has been found.



Damage caused by the larvae.
No alive larvae has been found.



Damage caused by larvae



Chopping the material searching for alive



Inspection in the trunk in areas with exudation caused by larvae



Inspection in the trunk in areas with exudation caused by larvae



Inspection in the trunk in areas with exudation caused by larvae



Damage caused by the larvae.
No alive larvae has been found.



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Damage caused by the larvae.
No alive larvae has been found.



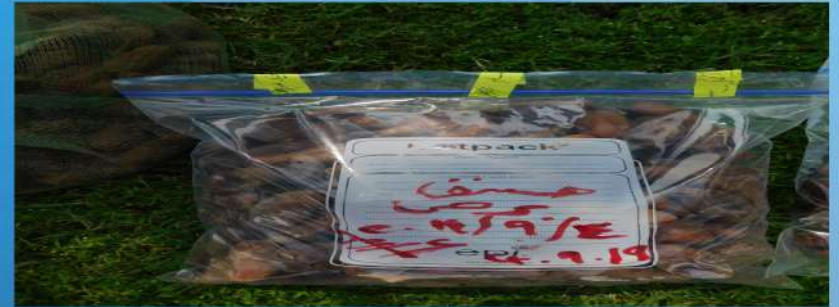
Damage caused by the larvae.
No alive larvae has been found.



Dates to the Laboratory 04/09/2019



Dates to the Laboratory 04/09/2019



United Arab Emirates Ministry of Climate Change & Environment Laboratory Certificate

UNITED ARAB EMIRATES
MINISTRY OF CLIMATE CHANGE
& ENVIRONMENT



الإمارات العربية المتحدة
وزارة التغير المناخي
والبيئة

CERTIFICATE OF ANALYSIS - PESTICIDE RESIDUES



MOCCA-QP-P8-LD-Proc A PRL1

Issue Date: 09/09/2019

Received Date : 05/09/2019

Lab Ref. No. :2019/SHJ/12631

Date Analyzed : 08/09/2019

Client Name	Houssam Chennaoui
Area/Region	Dubai Office/Al Awir Agricultural & Veterinary Extension Center

Laboratory Tests								
S.No	Sample ID	Exported Company	Purpose of Analysis	Country of Origin	SOP	Net Weight	Container/Carrier	Sample Type / Sample Name
1	201945555	City center	Others	United Arab Emirates		1.5	Bage	Fruits/ Date
Test Name				Result				
1	Pesticide Residues Level			Free of Pesticides				

Method of analysis: Method of Analysis: In house pesticides multi-residue method (MRM) using QuEChERS extraction (SOP PRL 05) and LC/MS/MS (SOP PRL 07)

Results: Investigated pesticides were not detected above 0.01mg/kg sample.

Comments: Sample **compliant** with regulations.

- Opinions and interpretation expressed herein are outside the scope of UKAS accreditation.

Analyzed by

Dr.Nasra Mohamed Abd
El-Mageed Ibrahim
Pesticide Residues Analyst
9:49 AM | 09/09/2019

Approved By

Abdulla Salem Ahmed Janaan
Director National Laboratories
Department
12:03 PM |09/09/2019

Summary and Conclusions

- Palm trees with symptoms of active disease were selected and identified.
- The Selected Palm trees were chosen by the providing companies of RPW control services to Abu Dhabi Municipality.
- The Treatment and Healing Protocol was carried out into a two month duration, in the meanwhile the improvement of the Palms during the trial was significant.
- According to the protocol and plan, the Palm trees that were chosen by the companies were dissected, with observation of the damaged areas.
- After an intensive inspection from all the participant, it was proved that SOS Palm System following the Designed Protocol is effective in treatment of Abu Dhabi Municipality Palm trees.

Summary and Conclusions

 The Main Result of the Trial is that there were No alive larvae found, additionally, all damaged areas were dry.

 Dates were free of pesticides certified by the United Arab of Emirates Ministry of Climate Change and Environment Laboratory.

Finally and after the results of the trial, we are confident to state that SOSPalm system is an effective treatment and healing system for diseased and affected palms.

SOSPalm system is also a recommended preventive technique that has no environmental impact, adding to it, its safety for citizens and the applying operators. SOSPalm is a one time installation system which requires very low maintenance cost.