May 2019

SALES KIT

Fallaleaf Natural Dinnerware & Bakeware

Manufactured and Distributed by
Jesa Enterprise Sdn Bhd (1023641-D)

www.fallaleaf.com
JESA ENTERPRISE SDN BHD

“Pokok Pinang” also known as Areca Catechu which have grown across south east asia are among the best known and most extensively cultivated plant families. With the use of new technology and research, we have cultivated a product not only used by our fore fathers but for a more sustainable and green living!

MISSION STATEMENT

“Fallaleaf strongly believes in creating sustainable product that leaves no print”. 
OUR FOUNDER

Ayamany Sinakalai is the founder of Jesa Enterprise Sdn Bhd. He was born in Melaka, Malaysia. Being involved in community service from a very young age created the foundation for his ideology of green living. He was a judge in the panel for Local Agenda 21 (LA 21) in MBPJ. His involvement in LA 21, which is a sustainable development programme for the community. This was a key factor in motivating his research into creating Fallaleaf Natural Dinnerware. The lessons he learned about sustainable development also served as catalyst to reaching the successful solution to a serious environmental problem.

To truly create a sustainable method of sourcing and producing Fallaleaf Natural Dinnerware, I have travelled around the country finding landscapes, plantations and farmers that cultivate these trees knowing these leaves are being otherwise burned causing pollution or abandoned that end up storing dirty rain water that mosquitos breed causing malaria or dengue.

I was determined to create a side income for all the small holders by creating a system where the leaves are stored at their local religious and community halls; mosques, temples etc.

Each part of this business chain is profited sustainably and traded fairly.

"Each part of this business chain is profited sustainably and traded fairly".
DESCRIPTION OF RAW MATERIAL

The applicable areca species for the production of this natural dinnerware are Areca Catechu, which can be found in most of Southeast Asia. Fallaleaf dinnerware & bakeware are made from the sheath of the plant which is hand picked after it naturally falls to the ground.

RAW MATERIAL SOURCE

Areca Catechu is one of the prominent commodities in Southeast Asia. The nut has been a business of import and export for years. Table below describes the major producers of the nut based on the year 2003.

<table>
<thead>
<tr>
<th>Country cultivating Areca Palm</th>
<th>Hectares</th>
<th>Total Trees</th>
<th>Total sheaths (per year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malaysia</td>
<td>800</td>
<td>908,000</td>
<td>8,892,000</td>
</tr>
<tr>
<td>Indonesia</td>
<td>36600</td>
<td>44,460,000</td>
<td>400,140,000</td>
</tr>
<tr>
<td>India</td>
<td>290000</td>
<td>358,150,000</td>
<td>3,223,150,000</td>
</tr>
<tr>
<td>China</td>
<td>890000</td>
<td>108,680,000</td>
<td>978,020,000</td>
</tr>
<tr>
<td>Myanmar</td>
<td>77296</td>
<td>95,460,560</td>
<td>859,145,040</td>
</tr>
<tr>
<td>Bangladesh</td>
<td>50700</td>
<td>62,014,500</td>
<td>563,530,500</td>
</tr>
<tr>
<td>Thailand</td>
<td>17000</td>
<td>20,995,000</td>
<td>188,995,000</td>
</tr>
</tbody>
</table>

(Data from http://ce[mid].com/commodities/areca[ult].html)
COMMON USES OF ARECA TREES

Uses:
- Packing local food and desert delicacies: Dodol
- ‘Tarik Upih’ local children game
- Tannins (Natural colouring agent)
- Husk (mulching and manure)

Other uses:
- Fats (edible fat): toothpaste and chewing gum
- Betel Quid (consumption as a mouth freshener)
- Medicinal Uses: astringent and used in the treatment of leucoderma, leprosy, cough, fits, worms, anaemia and obesity

CLOSED LOOP SYSTEM
FALLALEAF GOODNESS

Natural & Chemical Free

Microwave and Oven Safe

Renewable Raw Material

Plates Natural Pattern & Colour

Hot or cold, anything can be served in Fallaeaf

www.fallaleaf.com
MEDIA AWARENESS
AWARDS & CERTIFICATIONS

- Star Outstanding Business Awards 2018, consolation
- SME Corp 4 Star Rating for Enhancement Manufacturing &Mrs
- Dr. Graner & Partner GmbH - Germany Test Report. (DDT Free) - for Europe Market
- Certified Logo Buatan Malaysia (Made and sourced locally in Malaysia)
- SIRIM test Report for Food Safety (Compliance achieved)
- Fallaleaf Trademark certification (MYIPO)
- Patent - Disposable Biodegradable Article and Method of Manufacturing MY-158774-A

OUR CUSTOMERS

- Cold Storage
- Lazada
- Mercato
- Woodland Packaging
- Sky Blue Resources (M) SDN BHD
- SHANGRI-LA HOTELS AND RESORTS
- Jasons Food Hall
- Village grocer
- brickhouse CAFES - CATERING - EVENTS
- Annalakshmi
- B.I.C.
- justlife
# PRODUCTS

<table>
<thead>
<tr>
<th>No</th>
<th>Product Image</th>
<th>Size (cm)</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1.png" alt="Product Image" /></td>
<td>15 x 15 x 2</td>
<td>6&quot; Round Classic Plate</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2.png" alt="Product Image" /></td>
<td>23 x 23 x 2</td>
<td>9&quot; Round Classic Plate</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3.png" alt="Product Image" /></td>
<td>25 x 25 x 2.5</td>
<td>10&quot; Round Classic Plate</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4.png" alt="Product Image" /></td>
<td>30 x 30 x 2.5</td>
<td>12&quot; Round Classic Plate</td>
</tr>
<tr>
<td>5</td>
<td><img src="image5.png" alt="Product Image" /></td>
<td>10 x 10 x 5</td>
<td>250ml Round Bowl</td>
</tr>
<tr>
<td>6</td>
<td><img src="image6.png" alt="Product Image" /></td>
<td>13 x 13 x 5</td>
<td>500ml Round Bowl</td>
</tr>
<tr>
<td>7</td>
<td><img src="image7.png" alt="Product Image" /></td>
<td>15 x 15 x 2</td>
<td>6&quot; Square Classic Plate</td>
</tr>
<tr>
<td>8</td>
<td><img src="image8.png" alt="Product Image" /></td>
<td>23 x 23 x 2</td>
<td>9&quot; Square Classic Plate</td>
</tr>
<tr>
<td>9</td>
<td><img src="image9.png" alt="Product Image" /></td>
<td>14 x 14 x 2</td>
<td>300ml Square Bowl</td>
</tr>
</tbody>
</table>
# PRODUCTS

<table>
<thead>
<tr>
<th>No</th>
<th>Product Image</th>
<th>Length x Width x Depth (cm)</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
<td>17 x 17 x 4</td>
<td>600ml Square Bowl</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>24 x 15 x 2</td>
<td>9”x6” Rectangle Tray</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>24 x 15 x 3.5</td>
<td>9”x6” Rectangle DEEP Tray</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>25.5 x 18 x 3</td>
<td>10”x7” Rectangle</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>12.5 x 10.5 x 3.8</td>
<td>Heart Shape Pan</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>16.5 x 10 x 4</td>
<td>Leaf Shape Pan</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>12 x 10.0 x 4.5</td>
<td>Crystal Muffin</td>
</tr>
<tr>
<td>17</td>
<td></td>
<td>13.5 x 13.5 x 2.5</td>
<td>Round Pie Pan</td>
</tr>
<tr>
<td>18</td>
<td></td>
<td>10 x 10 x 4.5</td>
<td>Round Muffin</td>
</tr>
</tbody>
</table>
# PRODUCTS

<table>
<thead>
<tr>
<th>No</th>
<th>Product Image</th>
<th>Size Length x Width x Depth (cm)</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td><img src="image1" alt="Product Image" /></td>
<td>9.5 x 9.5 x 4.5</td>
<td>Square Muffin</td>
</tr>
<tr>
<td>20</td>
<td><img src="image2" alt="Product Image" /></td>
<td>8 x 8 x 3.5</td>
<td>Round Cupcake</td>
</tr>
<tr>
<td>21</td>
<td><img src="image3" alt="Product Image" /></td>
<td>9.5 x 9.5 x 4.5</td>
<td>Square Cupcake</td>
</tr>
<tr>
<td>22</td>
<td><img src="image4" alt="Product Image" /></td>
<td>20 x 11 x 5</td>
<td>Loaf Pan</td>
</tr>
<tr>
<td>23</td>
<td><img src="image5" alt="Product Image" /></td>
<td>21 x 21 x 5</td>
<td>Square Cake Pan</td>
</tr>
<tr>
<td>25</td>
<td><img src="image6" alt="Product Image" /></td>
<td>8 x 8 x 2</td>
<td>Condiment Tray (Square)</td>
</tr>
<tr>
<td>26</td>
<td><img src="image7" alt="Product Image" /></td>
<td>8.5 x 8.5 x 2</td>
<td>Condiment Tray (Triangle)</td>
</tr>
<tr>
<td>27</td>
<td><img src="image8" alt="Product Image" /></td>
<td>7.5 x 7.5 x 2</td>
<td>Condiment Tray (Pentagon)</td>
</tr>
</tbody>
</table>
AUDIT REPORT

File Information

File No. : P5-012626
File Status : Pre-Certification
Product : BIOMASS BASED PRODUCTS FOR FOOD-CONTACT APPLICATIONS
Customer Code : 12001856
Customer Name : JESA ENTERPRISE SDN. BHD.
Customer Address : NO. 1, JALAN INDUSTRI PBP
TAMAN PERINDUSTRIAN PUSAT BANDAR PUCHONG
47100, PUCHONG
SELANGOR, MALAYSIA
Customer Representative : KARTIGHA A.

Manufacturer Information

Manufacturer Name : JESA ENTERPRISE SDN. BHD.
Manufacturer Address : NO. 1, JALAN INDUSTRI PBP
TAMAN PERINDUSTRIAN PUSAT BANDAR PUCHONG
47100, PUCHONG
SELANGOR, MALAYSIA
Manufacturer Representative : KARTIGHA A.
Job No. : J201809-447
Job Type : Initial Inspection
Date of Audit Report : 27/09/2018
Job Auditor : SITI AISHAH BT YAACOB
Job Start Date : 27/09/2018
Job Start Time : 10:00
Job End Date : 27/09/2018
Job End Time : 16:30

Product Audit Information

<table>
<thead>
<tr>
<th>Item</th>
<th>Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw material</td>
<td>100% areca palm sheath. Acceptance of the raw material is based in-house inspection done on every piece.</td>
</tr>
<tr>
<td>Formulation</td>
<td>Biomass source: 100% areca palm sheath.</td>
</tr>
<tr>
<td>Manufacturing process</td>
<td>Incoming raw material --&gt; Washing --&gt; Drying with steam and warm water blower --&gt; Moulding --&gt; Ultraviolet Irradiation --&gt; Packaging. The manufacturing facilities and process is found well established to ensure compliance with the requirements.</td>
</tr>
</tbody>
</table>
| Finished product      | Trade Mark: FALLALEAF
Model: DINNERWARE
Type: BIODEGRADABLE, COMPOSTABLE
Rating: BIOMASS - ARECA PALM SHEATH (UPIH PINANG)
Size: THICKNESS (mm) : 3.5 max |

Marking Requirements

Marking Compliant : YES
Remark : -
Method of Marking : Trademark is moulding on product while the other information e.g factory address was printed on leaflet.

Record Observations

<table>
<thead>
<tr>
<th>Record</th>
<th>Observations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incoming</td>
<td>Satisfactorily recorded in Raw Material Record and Stock.</td>
</tr>
<tr>
<td>In process</td>
<td>Satisfactorily recorded in Daily Production Record and Quality Rework and Reject.</td>
</tr>
<tr>
<td>Final</td>
<td>Satisfactorily recorded in Daily Production Quantity Record.</td>
</tr>
<tr>
<td>Customer complaint</td>
<td>At is noted that the company does not have a procedure of handling or addressing complaints from customers. However since there have been no complaints received, at the moment the company does not need to address the issue. Nevertheless the company has bee</td>
</tr>
</tbody>
</table>

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TEST REPORT

REPORT NO.: 2018PC0888 PAGE : 1 OF 7

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Applicant : INDUSTRIAL & CONSUMER CERTIFICATION SECTION
PRODUCT CERTIFICATION AND INSPECTION DEPARTMENT
(Attn: Puan Siti Aishah Bt Yaacob)

Manufacturer : JESA ENTERPRISE SDN BHD
No. 1, Jalan Industri PBP
Taman Perindustrian Pusat Bandar Puchong
47100 Puchong
Selangor

Product : Biomass Based Products for Food-Contact Applications

Reference Standard/Method of Test :
1. ASTM E1252:1998 (Reapproved 2013) - Standard Practice for General Techniques for Obtaining Infrared Spectra for Qualitative Analysis
2. SIRIM Eco-Labeling Scheme – Reference No.: 009 (Issue Date: June 2008) – Criteria Document for Tableware from Biomass

Description of Sample : Received six (6) pieces of sample for testing on 2 October 2018 (see Figure 1 in Page 2 of this report for photograph of the sample).

Trademark : Fallaleaf
Model : Dinnerware (9” x 6” Rectangle Deep)
Type : Biodegradable, Compostable
Rating : Biomass – Areca Palm Shealth (Upih Pinang)
Size : Thickness (mm) : 3.5 max

Date Received of Complete Application : 12 December 2018

Job No. : J20181460730

Description of Test Results : The test results of the submitted test samples are described in Pages 3 to 7 of this test report.

Issued Date : 20 December 2018

Approved Signatories:

(Ir. Zarina Rasmin)
Senior Consultant

(Rahmad Abd Shukor)
Head
Plastics and Composite Materials Section
Testing Services Department
Description of Sample:

Figure 1. Photograph of 'Biomass Based Products for Food-Contact Applications; Trademark: Fallaleaf' Sample
### Results:

**Biomass Based Products for Food-Contact Applications**

<table>
<thead>
<tr>
<th>Trademark</th>
<th>Fallaleaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Dinnerware (9&quot; x 6&quot; Rectangle Deep)</td>
</tr>
<tr>
<td>Type</td>
<td>Biodegradable, Compostable</td>
</tr>
<tr>
<td>Rating</td>
<td>Biomass – Areca Palm Shealth (Upih Pinang)</td>
</tr>
<tr>
<td>Size</td>
<td>Thickness (mm) : 3.5 max</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NO.</th>
<th>TEST</th>
<th>RESULT</th>
<th>TEST METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fourier Transform Infra-Red (FTIR) Analysis</td>
<td>OH...O, CH₂ C=C and C-O</td>
<td>ASTM E1252</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose-based material*</td>
<td>Scan Method: Using Attenuated Total Reflection (ATR) accessory</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(see Figures 2 and 3)</td>
<td>Scan range: 4000 cm⁻¹ to 600 cm⁻¹</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Number of scan: 16 times</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Date of test: 14 December 2018</td>
</tr>
</tbody>
</table>

*Note: A structural polysaccharides found in plant*
Results (continued):

Biomass Based Products for Food-Contact Applications

Trademark : Fallaleaf
Model : Dinnerware (9” x 6” Rectangle Deep)
Type : Biodegradable, Compostable
Rating : Biomass – Areca Palm Sheath (Upih Pinang)
Size : Thickness (mm) : 3.5 max

Figure 2. FTIR Spectrum of ‘Biomass Based Products for Food-Contact Applications;
Trademark: Fallaleaf’ Sample

Figure 3. Overlaid FTIR Spectra of ‘Biomass Based Products for Food-Contact Applications;
Trademark: Fallaleaf’ Sample with Reference Cellulose-Based Material
### Results (continued):

#### Biomass Based Products for Food-Contact Applications

<table>
<thead>
<tr>
<th>Trademark</th>
<th>Fallaleaf</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Dinnerware (9” x 6” Rectangle Deep)</td>
</tr>
<tr>
<td>Type</td>
<td>Biodegradable, Compostable</td>
</tr>
<tr>
<td>Rating</td>
<td>Biomass – Areca Palm Shealth (Upih Pinang)</td>
</tr>
<tr>
<td>Size</td>
<td>Thickness (mm) : 3.5 max</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NO.</th>
<th>TEST</th>
<th>RESULT</th>
<th>TEST METHOD/REQUIREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Oil and water proof at raised temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>i. Test using distilled water</td>
<td>No penetration of distilled water was observed on the sample after test (see Figure 4a).</td>
<td>Requirement as stated in Clause 5.1 of SIRIM Criteria 009 : 008. The tableware shall not permit oil and grease, moisture or small amount of water to penetrate at 60°C for 30 minutes.</td>
</tr>
<tr>
<td></td>
<td>ii. Test using cooking oil</td>
<td>No penetration of cooking oil was observed on the sample after test (see Figure 4b).</td>
<td>(Pass)</td>
</tr>
<tr>
<td>3</td>
<td>Acid Resistance</td>
<td>No discoloration, surface defects, distortion and leakage were observed on the test specimens tested (see Figure 5).</td>
<td>Requirement as stated in Clause 5.2 of SIRIM Criteria 009 : 008. The plate shall be resistant to acidic foodstuff (3% acetic acid) for 2 hours and there shall be no discoloration, defects, distortion and leakage for all the test specimens.</td>
</tr>
</tbody>
</table>

The tableware shall not permit oil and grease, moisture or small amount of water to penetrate at 60°C for 30 minutes.

Two (2) pieces of sample were each charged with approximately 5 ml of 3% acetic acid solution and left at room temperature for 2 hours.

The plate shall be resistant to acidic foodstuff (3% acetic acid) for 2 hours and there shall be no discoloration, defects, distortion and leakage for all the test specimens.
Results (continued):

Biomass Based Products for Food-Contact Applications

Trademark : Fallaleaf
Model : Dinnerware (9” x 6” Rectangle Deep)
Type : Biodegradable, Compostable
Rating : Biomass – Areca Palm Sheath (Upih Pinang)
Size : Thickness (mm) : 3.5 max

(a) Sample in Contact with Distilled Water at 60°C for 30 minutes

(b) Sample in Contact with Cooking Oil at 60°C for 30 minutes

Figure 4. Photographs of ‘Biomass Based Products for Food-Contact Applications; Trademark: Fallaleaf’ Sample after Oil and Water Proof at Raised Temperature Test
Results (continued):

Biomass Based Products for Food-Contact Applications

Trademark : Fallaleaf  
Model : Dinnerware (9” x 6” Rectangle Deep) 
Type : Biodegradable, Compostable 
Rating : Biomass – Areca Palm Sheath (Upih Pinang) 
Size : Thickness (mm) : 3.5 max 

Figure 5. Photograph of ‘Biomass Based Products for Food-Contact Applications; Trademark: Fallaleaf’ Sample after Acid Resistance Test
CONDITIONS RELATING TO THE USE OF SIRIM QAS INTERNATIONAL TEST REPORT

1. A Test Report will be issued in respect of Testing Services conducted and shall relate only to the Sample actually tested. SIRIM QAS International makes no warranty whatsoever and the Applicant shall not represent in any manner that any duplication or mass production of the Product is same as the Sample actually tested or that SIRIM QAS International has tested any of the duplicated or mass produced Product.

2. The Test Report shall not be amended, changed, varied or modified in any manner whatsoever by the Applicant or otherwise.

3. If the Test Report is to be furnished to any third party or to the public, each such Test Report shall be furnished in full, legible and in its entirety.

4. The Test Report shall not be reproduced and shall not in any event be used for any advertising purposes or whatsoever without written approval from the Managing Director of SIRIM QAS International of No 1, Persiaran Dato' Menteri, Building 8, Section 2, P.O. Box 7035, 40700 Shah Alam, Selangor Darul Ehsan.

5. Customer (Applicant/Manufacture/Factory, etc.) is not permitted to use any SIRIM QAS International, SIRIM or other SIRIM's subsidiaries logo or words on packaging, sample's manual, technical specification, brochures/flyers or any other means without the prior written approval from the Managing Director of SIRIM QAS International.

6. If such approval is obtained from the Managing Director of SIRIM QAS International, the Applicant may only include the phrase, "A sample of this product has been tested by SIRIM QAS International ... (Test Report No) ... (dated) ... (for what test) ... (to which standard)" or such similar words which stress that only the Sample was actually tested. This phrase shall only be used for the purpose of product advertisement or product promotion (e.g. brochures). For avoidance of doubt, the statement shall not be used on the sample and packaging of the sample.

7. In the event there is an investigation from a Government Regulatory Agency concerning the Applicant’s Test Report, SIRIM QAS International may disclose the information pertaining to the Test Report for purposes of such investigation.

8. Further or in the alternative, it is strictly forbidden unless with prior written approval from the Managing Director of SIRIM QAS International, to represent in any manner whatsoever that SIRIM QAS International, SIRIM and/or other SIRIM’s subsidiaries has endorsed, approved or validated the Product of the Applicant in any manner whatsoever.

9. In the event the Applicant is found in breach of this provision, SIRIM QAS International, SIRIM and/or other SIRIM’s subsidiaries without prejudice to any other rights and remedies may take whatever action necessary including but not limited to:
   a) Informing and placing a notice in the media;
   b) Obtaining an injunction from Court (cost on a solicitor-client basis to be borne by the Applicant);
   c) Refusing to accept any further Product for Testing Services from the Applicant or whosoever related to the Applicant, whether subsidiary or otherwise;
   d) Instructing the Applicant to withdraw and recall the advertisement, statement or document in question and advertise a clarification and apology to SIRIM QAS International, SIRIM and/or other SIRIM’s subsidiaries twice in a national publication of SIRIM QAS International’s choice at the Applicant's sole cost; and
   e) Informing or lodging a report pertaining the Applicant’s Test Report with the relevant authorities.

10. Certified true copies of the Test Report may be issued upon request by the Applicant upon payment of the relevant fee.

11. Corrections to test report shall only be allowed within 6 months from issuance date of the test report and shall be limited to maximum 3 times, after either case whichever occurs earlier, a new test report shall be issued and replace the previous one (having error(s) or lack of information). Issuance of Supplementary Report to the original Test Report shall be for the followings:
   a) Misprints and typo errors
   b) Missing technical information
   c) Test data not reported
   d) Mistake in reporting of test data
# Test Report

**Report No.:** 2012KL1656  
**Page:** 1 OF 2

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This test report shall not be reproduced, except in full and shall not be used for advertising purposes by any means or forms without written approval from Managing Director, SIRIM QAS International Sdn. Bhd. Please refer oversea for Conditions Relating To The Use of Test Report.

| Applicant         | JESA ENTERPRISE SDN. BHD.  
|-------------------|-------------------------------
|                   | No. 12A-1, Jalan Puteri 2/5,  
|                   | Bandar Puteri,  
|                   | 47100 Puchong,  
|                   | Selangor D.E                  |

| Product           | Palm Leaf Plate               |

| Reference standard / Method of test | 1) Malaysian Food Act 1983 (Act 261) and Regulations (as at 24th September 2012)  
|------------------------------------|-------------------------------
|                                    | 2) Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES) Technique. |

| Description of sample | Received one (1) sample for testing with the following identification:  
|-----------------------|------------------------------------------------------------------------
| Product               | Palm Leaf Plate                                                         |
| Brand                 | FALL LEAF                                                               |

| Date received         | 23rd November 2012           |
| Job No.               | J20121301575                 |
| Issue date            | 29th November 2012           |

Approved Signatory

(ROAIDAH BAHAM, AMIC)  
IKM/A/1700/3994/99  
Senior Technical Executive

(HAHNAS MAHUBUT)  
Head  
Chemical & Consumer Section (CEST)  
Testing Services Department  
SIRIM QAS International Sdn. Bhd.
**Test Results**

**Product**: Palm Leaf Plate  
**Brand**: FALL LEAF  

**Test Procedure**:  
The sample was washed with water containing detergent and rinsed with clean water. The sample was then soaked in the leaching solution (4% acetic acid in distilled water, volume/volume) at room temperature for 24 hours. After the period of 24 hours, the leaching solution was taken for analysis.

<table>
<thead>
<tr>
<th>No.</th>
<th>Type of Tests</th>
<th>Methods Used</th>
<th>Requirements based on Malaysian Food Act 1983 (Act 281) and Regulation (as at 24th September 2012)</th>
<th>Test Results</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Antimony (Sb), ppm</td>
<td>ICP-OES</td>
<td>0.2 maximum</td>
<td>Less than 0.002(2)</td>
<td>Complied</td>
</tr>
<tr>
<td>2.</td>
<td>Arsenic (As), ppm</td>
<td>ICP-OES</td>
<td>0.2 maximum</td>
<td>Less than 0.004(2)</td>
<td>Complied</td>
</tr>
<tr>
<td>3.</td>
<td>Cadmium (Cd), ppm</td>
<td>ICP-OES</td>
<td>0.2 maximum</td>
<td>Less than 0.0004(2)</td>
<td>Complied</td>
</tr>
<tr>
<td>4.</td>
<td>Lead (Pb), ppm</td>
<td>ICP-OES</td>
<td>2.0 maximum</td>
<td>Less than 0.006(2)</td>
<td>Complied</td>
</tr>
</tbody>
</table>

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*Note: 1) Thirtieth Schedule (Regulation 28) all amendment up to 24th September 2012  
2) Detection limit is the minimum concentration of analyte that can be detected by the instrument.*

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**Signature**

ROHAIDAH IBRAHIM, AMIC  
(IXM/0100/399489)  
Senior Technical Executive  
Chemical & Consumer Section  
SIRIM QAS International Sdn. Bhd.
Analysis Report 1820527-2

Client: See above
Object of analysis: Palm leaf plate shells
manufacturer: JESA ENTERPRISE SDN BHD
ADDRESS: NO 1, JALAN INDUSTRI PBP 9, TAMAN INDUSTRI PUSAT BANDAR PUCHONG, 47100, PUCHONG, SELANGOR, MALAYSIA

Sample collection: client
Date of receipt: 23.04.2018
Period of analysis: 23.04. – 27.04.2018
Method: Determination of DDT and Metabolites in materials (GC according to SAA U150)
Specification: n.s.
Analysis report 1820527-2

Object of Analysis: Palm leaf plate shells

Result:

<table>
<thead>
<tr>
<th>Number of analysis</th>
<th>Total DDT* [mg/kg]</th>
<th>LOQ*** [mg/kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1820527</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-2: 02-Malaysia</td>
<td>b.l.q.**</td>
<td>0.5</td>
</tr>
</tbody>
</table>

* total amount of DDT and the metabolites DDD and DDE
** b.l.q.: below limit of quantitation
*** LOQ: Limit of Quantitation

DDT and the metabolites DDD and DDE are also not detectable. (< 0.05 mg/kg)

Dr. Graner & Partner GmbH

M. Müller
(state approved food chemist)