Interchamp Group:

Interchamp Trading Pte Ltd
Interchamp F&B Pte Ltd

Presenting 4 Solutions for Maritime Sector

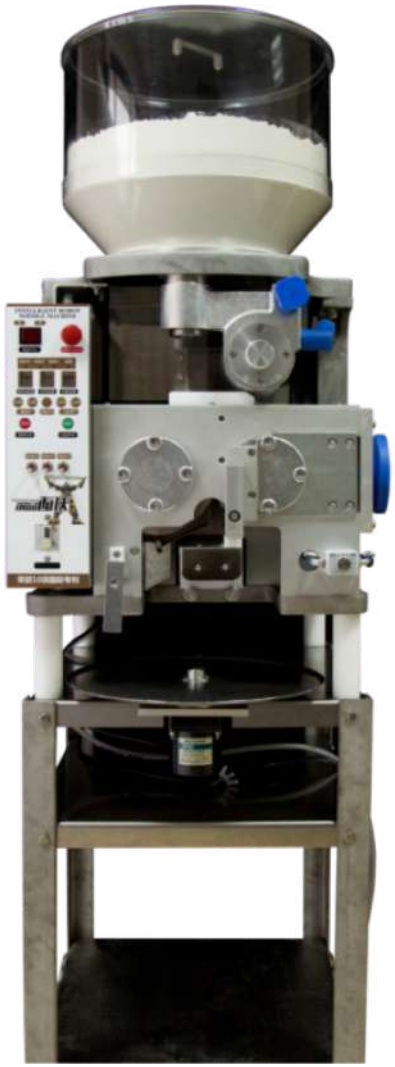
Interchamp: A Forward Looking Innovator

- With expertise gained in 2 decades, we came from a long line of food manufacturing and distribution, logistic services including cold-chain storage, picking, sorting and delivery, thus completing the supply chain.
- We make long-term investment in technology and provide innovative solutions such as SMART noodle machines and waste digester to increase productivity onboard and off-board while adopting a responsible approach for environmental sustainability.

Solution 1:
High Performance Portable Noodle Machine:
8-Seconds: From Flour to Noodle

Making Noodle On-Site

- **Easily deployed in most settings**: with a minimum of 4 square meters and produce 180 bowls per hour.



16 Parts Simple Mechanical Design

No.	Descriptions	Qty
1	Noodle Making Machine	1
2	Stainless Steel Stand	1
3	Roller – Inner	1
4	Roller – Outer Casing	1
5	Flour Container with Lid	1
6	L-Shape Plate	1
7	L-Shape Stopper	1
8	Block Stopper	1
9	Funnel	1
10	Pad Lock	2
11	Compressor Roller	1
12	Blade Cutter (2.0mm)	1
13	Water Tank (18 litres)	1
14	Brush	1
15	Measuring Instrument	1
16	Round Base Plate	1

Solution 2:
SMART Induction Boiler
Completion in 4 minutes -Plug & Play Cooking

INTERCHAMP

LET'S HAVE SOME
FUN COOKING!
BON APPÉTIT!

Proven Track Record and Safety Compliance

Special Metal Alloy:
Creation of Unique Frequency for Magnetic Induction

The Enabler - AI Induction Boiler

$$\delta = 503\left(\frac{\rho}{\mu_r F}\right)^{0.5}$$

As illustrated mathematically, the skin depth δ (m) – the depth in which the majority of alternating current flows in a conductive material – is a function of the material's electrical resistivity ρ (Ω·m) and relative magnetic permeability μr, as well as the frequency F (Hz) of the current flowing through it.

- Barcode of tray to activate cooking,
- Sales count registry
- Full cooking automation with water inlet
- LCD all day advertisement space
- 4 minutes viewer impression lock in

Solution 3:
FSC Certified Virgin Pulp Sanitary Range
Bathroom Rolls to Napkins

FSC Certified Manufacturer

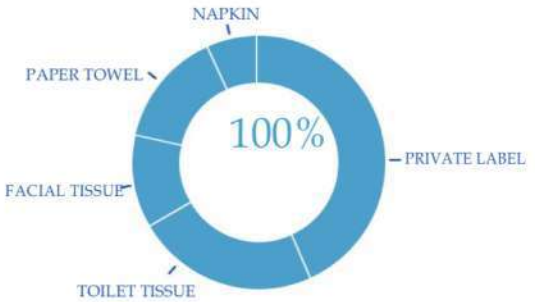
Sustainability in Every Industry Vertical

ABOUT US

Founded in 2012, Sanrix Paper is a tissue paper converting company whose main activity is focused on the production of tissue paper and related items for three major market segments which are: Ho.Re.Ca. (Hotel-Restaurant-Café), AFH (Away From Home) and Retail.

In this extremely competitive industry, Sanrix Paper's success is built on its strategic organisational structure, a flexible manufacturing system, expandable production capacity capability as well as solid partnership with reputable suppliers.

Forming close relationships with our customers is essential. Sanrix Paper's primary goal is to work with our customers by offering comfortable, safe, green, convenient tissue paper products made from responsible sources.



PRODUCTION CAPABILITY

Satisfying All Sanitary Needs

Virgin Pulp Toilet Roll Sustainability Range

Recycled Toilet Paper Roll Sustainability

Box Tissue Deluxe Range FSC Certified

Rag paper roll

Clothing Protector

MultiWipes Paper Products FSC Certified

Kraft Dinner Napkin FSC Certified

Solution 4:
Accelerated Composting
Waste Management Onboard Vessel

Reduce Reuse Recycle – Our Mission

"INNOVATIVE AND EFFECTIVE SOLUTIONS"

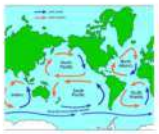
"becoming a zero waste nation by reducing our consumption of materials, and reusing and recycling them to give them a second lease of life"

BCA GREEN MARK

GREEN INITIATIVE

GREEN PORT PROGRAMME

Reduce on Ocean Pollution

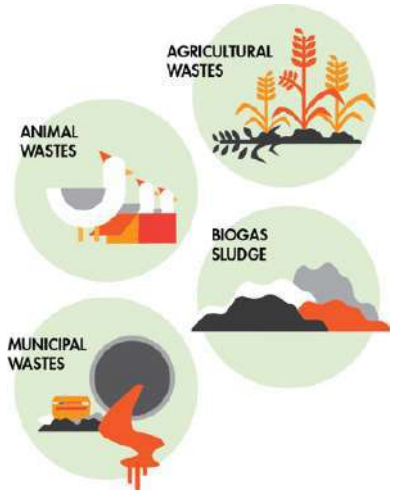
ocean gyre	An ocean gyre is a large system of circular ocean currents formed by global wind patterns and forces created by Earth's rotation.	
marine debris	man-made objects composed of persistent materials that are deliberately or accidentally disposed of in marine waters	
Great Pacific Garbage Patch	patch of solid waste the size of Texas floating in the currents of the North Pacific gyre, mostly consisting of plastics.	
non-point source pollution	water pollution that does not have a specific point of origin	
point source pollution	pollution that comes from a specific site	
microplastics	innumerable plastic pieces no bigger than a sesame seed suspended a few inches below the ocean surface thousands of miles from land	

Interchamp & BiomaxGreen: Open-loop Waste Management

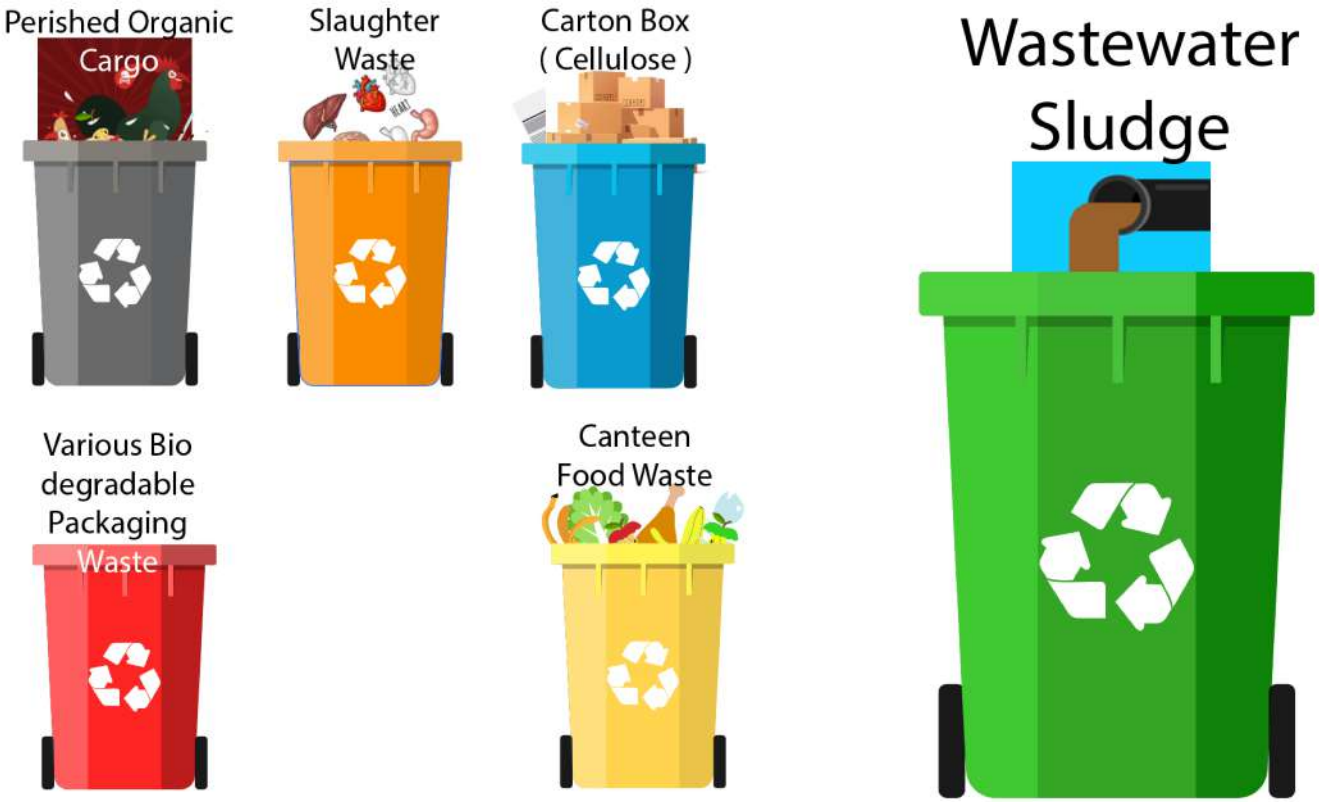
- Interchamp to lead BiomaxGreen in joint tasks from R&D, to marketing, to field explorations, to design proposal and projects delivery.
- Turn Food Waste into Organic Fertilizer and Livestock Feeds

We delivers results:

- Process organic waste to organic feeds & fertilizer in 24 hours
- Produce marketable end-products
- Proprietary Enzymes & Rapid Thermophile Digester

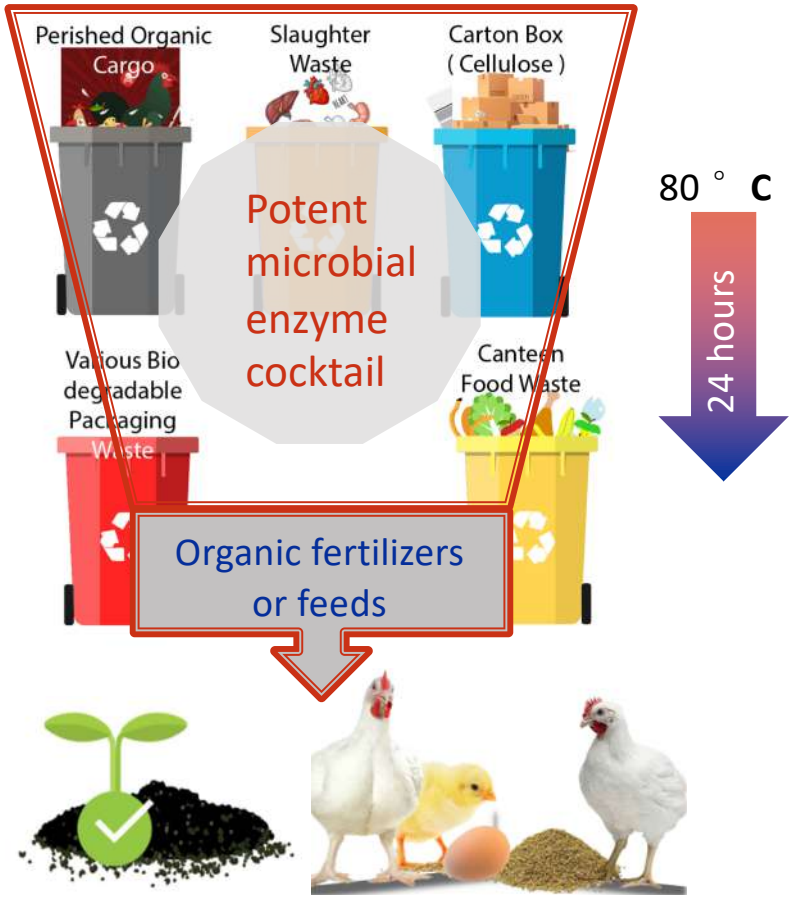


Usable Waste Found On Vessels



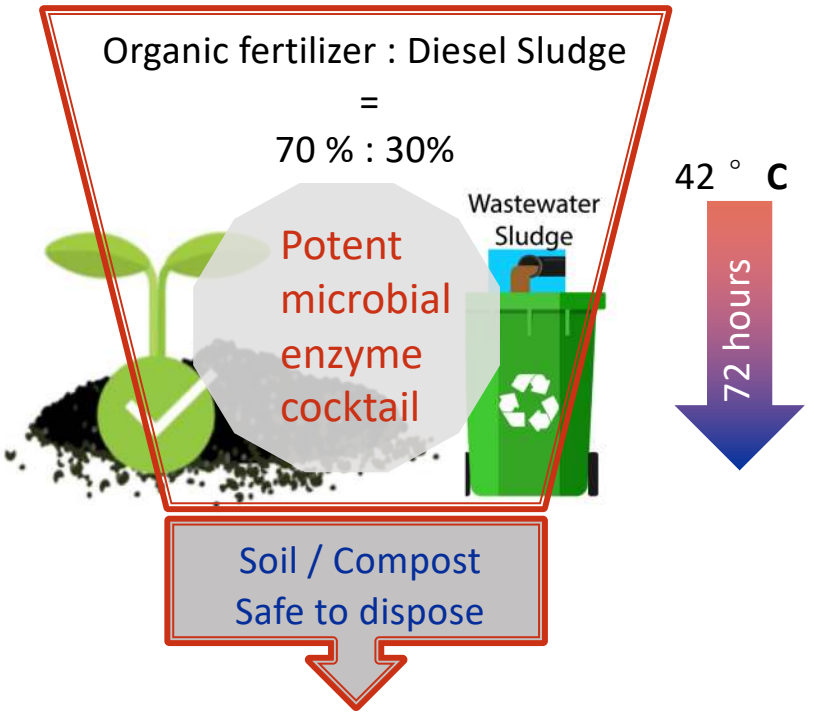
Organic Fertilizer or Feeds as Output - Primary Process

- Accelerated **COMPOSTING PROCESS**
- **Organic-chemical process** of temperature range 75 to 82 deg C to eliminate pathogen
- Aerobic- only system, NO methane gas byproduct
- 100 % poultry waste = **70% organic fertilizer** + **30% odorless vapor** **and** **carbon dioxide**
- The immobilization of nitrogen (N) and phosphorus (P) during composting reduces the risk of soluble N and P entering aquatic systems via surface flow and leaching.



Soil / Compost as Output -Secondary Process

- In the event of excess production of organic fertilizer onboard, secondary process can be activated
- Organic fertilizer : **Diesel Sludge** = 70 % : **30%**
- **For 72 hours @ 42 °C**
- Safe disposal at port of call



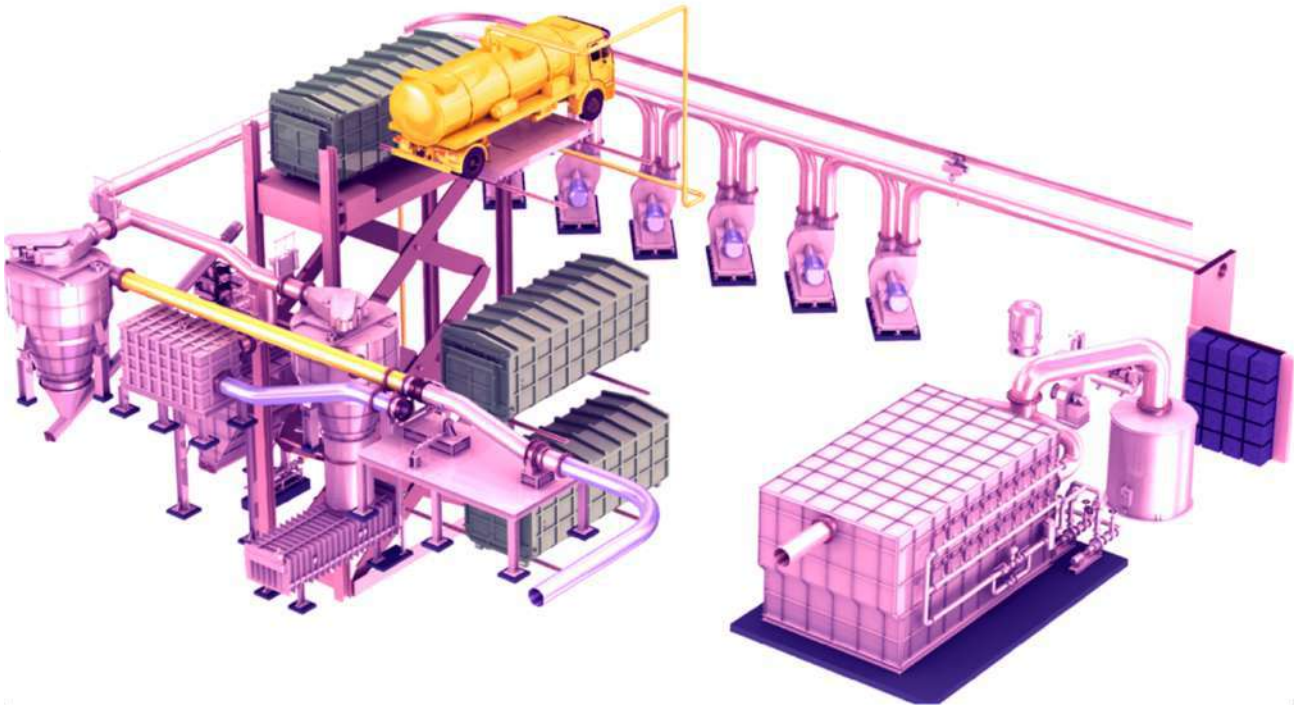
Central Collection at port of call

Schematic System Design: Batch Basis

- Poultry Waste
- Food waste
- Carton Box Waste

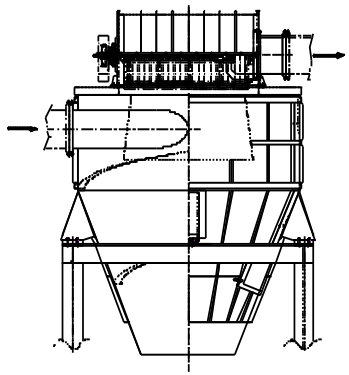
24 hours

- Odorless process
- Pathogen free
- High NPK Organic Fertilizer



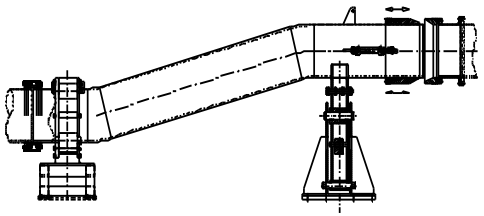
Key Patented Mechanical Design

General garbage separator



Apparatus for separating all kinds of waste and high pressure air in waste transferring including collecting tank, air discharge tank and discharge damper

conduit line change apparatus



Waste separation suction apparatus to separate waste conveniently

Track Record for Successful Projects

NASAA CERTIFIED ORGANIC

PO Box 768
Stirling SA 5152 Australia
Tel +61 8 7234 7700
Email info@nasaa.com.au
www.nasaacertifiedorganic.com.au

14.12.2017

Biomax Green Australia Pty Ltd
10 Hunter Rd
Derrimut VIC 3030

Dear Mark and John

NASAA Contract: 3998M

Following inspection of your operation and review, I am writing on behalf of NASAA Certified Organic (NCO) to notify you that your application to be certified has been approved.

The terms of NCO certification are set out in the enclosed contract. This comprises the general clauses of the Contract (pages 1-10) and the terms specific to your operation which are outlined in the Schedule (page 11 and following).

Additional Conditions:
If NCO has stipulated a timeline in relation to Additional Conditions laid out in Item 12, you are required to supply the required information to NCO within the stated timeline.

Minor Corrective Actions and/or Standard Ongoing Conditions:

Standard	Minor Corrective Action Item	Completed by
NOS 9.13.1	Operators must maintain samples of batches of manufactured products for a period of 12 months of the shelf life of the product, whichever is greater. Retention samples have not been kept.	Address immediately, provide proof during next inspection

Feedback: Thanks for coming to NASAA, contract will be signed by NCO after test samples have been received.

Completing your certification with NCO
1. Read the entire contract carefully
2. Note and verify that the details in items 1 and 4 are accurate and correct (as these details will appear on your Certificate of Registration)
3. Initial each page of the contract at the bottom right-hand corner where indicated and full signatures on page 10
4. Please sign pages 10 & 11 of the Contract in the presence of an adult who is not party to the Contract with the same witness. (NB: if the Operator is a registered company, the signatories must be in accordance with the Corporations Act which requires them to be either two Directors or one Director and the Company Secretary)
5. Return the signed contract to NCO *within 30 days* together with any further information which NCO has requested in Item 12. Please note that additional inspection(s) at cost may be necessary if you return this contract to NCO beyond the 30 day period.
6. Enclose any outstanding payments. All invoices must be settled before NCO will issue to you a Certificate of Registration. The relevant fee category which applies to your certification with NCO is

NASAA CERTIFIED ORGANIC P/L ACN 101 829 163 ABN 60 101 829 163

Location			Pending
Singapore	Chew farm (now moved to johor)	Grand Hyatt hotel	Npark Savills Management Pasir Panjang Wholesale Singapore Fishery Ports Multiple Foods Manufactories NTUC Fairprice
Malaysia	garbage collector	organic fertilizer producer	chicken farm
Vietnam	org fertilizer producer		
Thailand	oil palm mill		
Myanmar	fertilizer producer		
Australia	chicken farm	abattoir	
China	veggie producer	Organic fertilizer producer	
Dubai	warehouse		
Saudi Arabia	fertilizer producer		
Turkey			
Kenya	seed farmer	organic fertilizer producer	
South Africa	poultry farmer		
France	horse farmer		
Ireland	cattle abattoir		
Jamaica	supermarket		
Nepal	cow farmer		

Notable Awards and Accolades

Emerging Enterprise Award 2013 (Top 3 Winner)

ASEAN Business Awards 2013 (Innovation SME)

2013 Asia Pacific Best Practices Awards (Frost & Sullivan)

Singapore Sustainability Awards 2013 (Green Technology Award – SME)

Registered Product
CERTIFICATE

CERTIFIED OPERATION

Biomax Green Australia Pty Ltd

Certification Number: 12241

SCOPE OF CERTIFICATION
Processor
Allowed Inputs

FACILITIES

PRODUCTS
SEE ANNEX

STANDARDS

Common Seal

Authorised by:
Paul Stathams
Chief Executive Officer
Australian Organic Limited

Place & Date of Issue:
Brisbane, Australia
30 May 2016
Valid Until 31 May 2019
C-018008-2015

Approved by ECOCERT INPUTS

ATTESTATION

for inputs suitable for use in Organic Farming according to the Japanese Agricultural Standard (JAS)

Attestation reference: 132918SL1800n3e
Number of products: 3

This attestation is issued to the operator below:

BIOMAX GREEN Pte Ltd
3 Kim Chuan Lane #02-01, Singapore 537069
SINGAPORE

cocert SA confirms after inspection that the following products are approved for use in JAS organic production:

PRODUCT NAME	CATEGORY	STATUS
Biomax Organic fertilizer	Fertilizer	JAS allowed
Organic Bug Buster	Insecticide	JAS allowed
Organic GroShield	Fungicide	JAS allowed

Issue date, in L'Isle Jourdain: 18/09/2018
Expiry date: 30/06/2019

For Ecocert S.A.
Arnaud FABRE
Inputs Service Manager

As JAS Expert:
For Ecocert Japan Ltd.
Mayo BABA
Managing Director

This document belongs to Ecocert. It has to be returned on request.
Only the original is valid, until the expiry date of the attestation or the termination of the attestation contract.

Ecocert SA – Capital 442 400€ – Lieudit Lamothe Ouest – 32600 L'Isle Jourdain – France
Tél. +33 (0)5 62 07 34 24 – Fax : +33 (0)5 62 07 11 67 – www.ecocert.com

Approved by ECOCERT INPUTS

ATTESTATION

for inputs suitable for use in Organic Farming according to the National Organic Program (NOP)

Attestation reference: 132918SL1800n2e
Number of products: 3

This attestation is issued to the operator below:

BIOMAX GREEN Pte Ltd
3 Kim Chuan Lane #02-01, Singapore 537069
SINGAPORE

Ecocert SA confirms after inspection that the following products are approved for use in NOP organic production:

PRODUCT NAME	CATEGORY	STATUS
Biomax Organic fertilizer	Fertilizer	NOP allowed
Organic Bug Buster	Insecticide	NOP allowed
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Inputs Service Manager
Arnaud FABRE

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TVA Intracommunautaire n° FR 18380 725 002 00014
CREDIT MUTUEL 2200 17639640 41 – SIREN 380 725 002 RCS AUCH – APE 7120B

Questions & Answers

a) Will the digester give off bad smell during processing?

Our digester will not give off bad smell throughout the processing cycle.

b) Will the digester give off toxic gases such as methane, Sulphur dioxide, nitrogen oxides etc?

No toxic gases will be generated and released throughout the processing cycle. Our system is aerobic-only carbon dioxide and water vapor will be released. Hence there will be no impact on the environment including health of workers. We have technical reports from Singapore and Australia to support our claims

c) Is the output, i.e. organic fertilizer safe to handle and store?

The organic fertilizer will undergo a heat treatment between 82 to 85 deg C. At such temperatures harmful pathogens such as Salmonella, E coli and Camphybacter will be destroyed. We have lab reports from AVA to support our claims, allowing for the safe storage of the organic fertilizer i.e.. no risk of explosion.

d) Will there be heavy metals in your organic fertilizer?

These chicken wastes (heads, innards, skins) are from chickens approved for human consumption. Hence there will be negligible levels of heavy metals in our product.

e) What happens to the abattoir wastes i.e. proteins, fat and carbohydrates in your digester?

Proteins e.g. skins and meat- Our enzymes will convert them into amino acids

Fat e.g. skins and fatty tissues- Our enzymes will convert them into fatty acids

Carbohydrate e.g. undigested rice, barley, soya bean- Our enzymes will convert them into glucose

Cellulose e.g. papers and cardboards- Our enzymes will convert them into organic acids

These are some of the typical questions you will encounter.

Interchamp's Pledge for Circular Economy

ECOSYSTEM

ECOFOOD

ECOPROCESS

ENVIRONMENT

THANK YOU

- Contact Us:

Sales@interchamp.biz
1 Senoko Road
Singapore 758134
Tel: 68809878

Or visit our website
www.interchamp.biz