

Prüfbericht - Nr.: <i>Test Report No.:</i>	IND/BLR/CH/2016/5047 Part B			Seite 1 von 4 <i>Page 1 of 4</i>	
Auftraggeber: <i>Client:</i>	ECOZEN 75/76 "Srinilaya", Kallahalli Vinobha Nagar, Shivamogga-577204, India				
Gegenstand der Prüfung: <i>Test item:</i>	NATURAL ECO FRIENDLY ORGANIC PRODUCT				
Bezeichnung: <i>Identification:</i>	-				
Wareneingangs-Nr.: <i>Receipt No.:</i>	08092016	Eingangsdatum: <i>Date of receipt:</i>	08.09.2016		
Order No.:	1803164639	Testing Period:	08.09.2016 to 16.09.2016		
Prüfart: <i>Testing location:</i>	TÜV Rheinland India Pvt Ltd, Plot No.17B, Electronic City Phase II Industrial Area, Hosur Road, Bangalore - 560 100, Karnataka, India				
Prüfgrundlage: <i>Test specification:</i>	Test as per LFGB 30&31, EC 2002/72 EEC, EN 717-3,DFG S19;4.4,§ 35 LMBG B 82.02-8 and LFGB §64 B 82.02-8:2001				
Prüfergebnis: <i>Test Result:</i>	PASS as per Above Specifications Refer page 2 to 4 for detailed report				
Prüflaboratorium/ Testing Laboratory:					
zusammengestellt/ compiled by:			kontrolliert/ checked by:		
16.09.2016	Chandrashekara Aithala B Manager - Industry Services		16.09.2016	Rajesh Jain B Technical Manager- Industry Services	
Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name <i>Name</i>	Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects: This report Contains Part A as additional Test.					
Abkürzungen:	ok / P = entspricht Prüfgrundlage fail / F = entspricht nicht Prüfgrundlage n.a. / N = nicht anwendbar		Abbreviations:	ok / P = passed fail / F = failed n.a. / N = not applicable	
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>					

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Test Results

1. Sensorial Evaluation:

The following simulation solvents and test conditions were stipulated
 Food stimulant: Distilled water

Test Duration and temperature: 24 hour at 40°C
 Test method: DIN 10955, EC Directive 1935/2004

Serial no.	Material	Parameter	Results (Average)	Limit
1	Eco friendly organic Plates	Transfer of Smell into Food Stuffs	3	Less than 3
		Transfer of Taste into Food Stuffs	3	Less than 3

Remark: The Submitted Product Green Atmos Plates is Inconspicuous with regard to the Transfer of Smell and Taste to Food Stimulant

Evaluation Scheme for the transfer of taste and smell

- 0= No Discernible Deviation
- 1= Barely Discernible Deviation
- 2= Weak Deviation
- 3=Clear Deviation
- 4=Strong Deviation

2. Specific Migration: 3% acetic acid, 10% EtOH, 95%EtOH 4 hours at 100°C, Isooctane 2hrs at 70°C:
 BGVO §8, EC02/72 EEC

Serial no.	Parameter	Unit of Measurements	Limit	Overall migration , mg/ dm ²	Test Method
1	3% Acetic acid w/v	mg/dm ²	10	1.6	EC2002/72 EEC
2	10% Ethanol v/v	mg/dm ²	10	4.9	EC2002/72 EEC
3	95% Ethanol v/v	mg/dm ²	10	1.5	EC2002/72 EEC
4	Iso Octane v/v	Mg/dm ²	10	<0.01	EC2002/72 EEC

Note: mg/dm² represents milligram parts per square decimeter

3. Formaldehyde: 180°C at 40 min, Food stimulant: Distilled water

Serial no	Parameter	Unit of Measurements	Limit	Result	Test Method
1	Formaldehyde	mg/kg	3	0.5	Jar method:EN-717-3

Note:

Mg/kg = milligram per kilogram,

ND=Not Detected, Detection limit 1 mg/kg

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4. Total Lead: Ashing followed by acid digestion

Sl. No.	Parameter	Unit	Results	Test Method
1	Total Lead	mg/kg	ND	ICP-OES
2	Total Cadmium	mg/kg	ND	ICP-OES

Note:

ND denotes Not Detected & detection limit is 1mg/kg

5. Pesticide screening: DFG S19; 4.4, Solvent extraction using Acetonitrile & made up with Ethyl Acetate

Serial no	Parameter	Unit of Measurements	Limit	Result	Test Method
1	Pesticides	mg/kg	-	ND	Solvent extraction followed by GCMS and LCMSMS Scan

Note:

GC-MS - Gas Chromatography–Mass Spectrometry
 LC-MSMS- Liquid chromatography- Mass Spectrometry
 Mg/kg = milligram per kilogram,
 ND=Not Detected, Detection limit 0.1 mg/kg

6. Phenol substances: 95°C at 2 hours, Food stimulant: Distilled water

Serial no	Parameter	Unit of Measurements	Limit	Result	Test Method
1	Total phenol	mg/kg	0.5	ND	GCMS Head space

Note:

Mg/kg = milligram per kilogram,
 ND=Not Detected, Detection limit 0.5 mg/kg

7. Bisphenol A (BPA) release: 3% Acetic acid 40°C@24 hours followed by GCMS screening

Serial no.	Parameter	Unit	Detection limit	Limit	Result	Test Method
1	Bisphenol A	µg/ml	0.1	0.1	ND	GCMS Screening

Note:

µg/ml -Denotes microgram per litre
 GC-MS - Gas Chromatography–Mass Spectrometry

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8. PCP&TeCP:

Sl.no	Restricted Substance	Unit	Detection limit	Result	Test Method
1	Pentachlorophenol(PCP)	mg/kg	0.05	ND	LFGB §64 B 82.02-8:2001/ GCMS
2	Tetrachlorophenol (2,3,4,5- TeCP)	mg/kg	0.05	ND	LFGB §64 B 82.02-8:2001 / GCMS
3	2,3,4,6-Tetrachlorophenol (2,3,4,6-TeCP)	mg/kg	0.05	ND	LFGB §64 B 82.02-8:2001/ GCMS
4	2,3,5,6-Tetrachlorophenol (2,3,5,6-TeCP)	mg/kg	0.05	ND	LFGB §64 B 82.02-8:2001/ GCMS

Note:

GC-MS Denotes Gas chromatograph Mass spectrometer

mg/kg- Denotes milligram per kilogram

ND - Not detected, less than detection limit

Test Item Photograph:



----- End of Test Report -----