

Test Report No.: 248106107 FVN 191723a		Page 1 of 5	
Client:	Công ty TNHH Kirei Green Việt Nam Số 77, Đường Trần Khát Chân, Phường Thanh Bình, Thành Phố Hải Dương, Tỉnh Hải Dương.		
Buyer / Supplier:	./.		
Identification:	Bamboo Chopsticks		
Test Item:	Chopsticks		
Test sample No.:	A000983509-001	Date of receipt:	2019-08-29
Testing Location:	HO CHI MINH CITY	Test period:	2019-08-29 to 2019-09-05
Test Specification:	See page 2 for details		
Test Result:	Pass		
Prepared by:	Reviewed by:		
<div style="border: 2px solid red; padding: 5px; margin: 10px auto; width: fit-content;"> TÜV RHEINLAND VIETNAM LABORATORIES QUANG TRUNG SOFTWARE CITY DIST.12, HCM CITY </div>			
2019-09-05	Vu Thi Tam Project Coordinator Support	2019-09-05	Pham Thi Hoa Project Manager
Date	Name	Date	Name
Other Aspects:			
The sample tested as received (see photos) Test parameter(s) chosen by customer. Identification provided by client.			
<p>This test report relates to the a. m. test sample. Without permission of the testing laboratory this report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety or other mark on this product.</p> <p><i>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</i></p>			

Test Report No.: 248106107 FVN 191723a**Page 2 of 5****SUMMARY OF RESULTS**

Performed parameter(s) for the compliance with the following regulations concerning materials in contact with foodstuff :

- Regulation (EC) No 1935/2004

No.	Test parameter	Results	Remark
1	Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) & Trichlorophenol (TriCP)	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	-
2	Pesticides	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	-
3	Sensorial Examination	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	-
4	Specific Migration of Formaldehyde	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	-

MATERIAL LIST

Material No.	Material	Color	Location
M001	Bamboo	Natural	Bamboo Chopsticks

TEST RESULTS**1. Pentachlorophenol (PCP), Tetrachlorophenol (TeCP) & Trichlorophenol (TriCP)**

Test Method: Ref. to 64 LFGB B 82.02-8: 2001
 # Ref. to ISO 17070:2015

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result
T001	M001	Pentachlorophenol (PCP)	mg/kg	0.1	0.5	n.d.
		Tetrachlorophenol (TeCP)	mg/kg	0.1	0.5	n.d.
		Trichlorophenol (TriCP)	mg/kg	0.1	0.5	n.d.

Abbreviation: n.d. = not detected (<Reporting Limit)
 RL = Reporting Limit
 mg/kg = milligram per kilogram

Remark:

1* The examined item meets the requirement.

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Test Method: Organic solvent extraction, GC-ECD, GC-MS.

Test result:

			Test No.	T001	Technically Preventive Limit
			Material No.	M001	
Selected Pesticides	CAS No.	Unit	RL	Result	
Aldrine	309-00-2	mg/kg	0.1	n.d.	n.d.
Allethrin	584-79-2	mg/kg	0.1	n.d.	n.d.
1-chloronaphthalene	90-13-1	mg/kg	0.1	n.d.	n.d.
2-chloronaphthalene	91-58-7	mg/kg	0.1	n.d.	n.d.
Chloropyrifos	2921-88-2	mg/kg	0.1	n.d.	n.d.
Chlorothalnil	1897-45-6	mg/kg	0.1	n.d.	n.d.
Cyfluthrin	68359-37-5	mg/kg	0.1	n.d.	n.d.
Cypermethrin	52315-07-8	mg/kg	0.1	n.d.	n.d.
o,p-DDD	53-19-0	mg/kg	0.1	n.d.	n.d.
p,p-DDD	72-54-8	mg/kg	0.1	n.d.	n.d.
o,p-DDE	3424-82-6	mg/kg	0.1	n.d.	n.d.
p,p-DDE	72-55-9	mg/kg	0.1	n.d.	n.d.
o,p-DDT	50-29-3	mg/kg	0.1	n.d.	n.d.
p,p-DDT	789-02-6	mg/kg	0.1	n.d.	n.d.
Diazinon	333-41-5	mg/kg	0.1	n.d.	n.d.
Dichlofluanid	1085-98-9	mg/kg	0.1	n.d.	n.d.
Dieldrin	60-57-1	mg/kg	0.1	n.d.	n.d.
alpha-Endosulfan	959-98-8	mg/kg	0.1	n.d.	n.d.
beta-Endosulfan	33213-65-9	mg/kg	0.1	n.d.	n.d.
Fenvalerate	51630-58-1	mg/kg	0.1	n.d.	n.d.
Heptachlor	76-44-8	mg/kg	0.1	n.d.	n.d.
Heptachloroepoxide	1024-57-3	mg/kg	0.1	n.d.	n.d.
Hexachlorobenzene	118-74-1	mg/kg	0.1	n.d.	n.d.
alpha-Hexachlorocyclohexane	319-84-6	mg/kg	0.1	n.d.	n.d.
beta-Hexachlorocyclohexane	319-85-7	mg/kg	0.1	n.d.	n.d.
delta-Hexachlorocyclohexane	319-86-8	mg/kg	0.1	n.d.	n.d.
Lindane(g-HCH)	58-89-9	mg/kg	0.1	n.d.	n.d.
Malathion	121-75-5	mg/kg	0.1	n.d.	n.d.
Methoxychlor	72-43-5	mg/kg	0.1	n.d.	n.d.
Parathion-ethyl	56-38-2	mg/kg	0.1	n.d.	n.d.
Parathion-methyl	298-00-0	mg/kg	0.1	n.d.	n.d.
Pentachloroanisole	1825-21-4	mg/kg	0.1	n.d.	n.d.
Permethrin	52645-53-1	mg/kg	0.1	n.d.	n.d.
Tetramethrin	7696-12-0	mg/kg	0.1	n.d.	n.d.
Trifluralin	1582-09-8	mg/kg	0.1	n.d.	n.d.
Tolyfluanid	731-27-1	mg/kg	0.1	n.d.	n.d.
Total PCB	---	mg/kg	0.1	n.d.	n.d.
DDE	3424-82-6, 72-55-9	mg/kg	0.15	n.d.	0.15
DDT	50-29-3, 789-02-6	mg/kg	0.15	n.d.	0.15
Deltamethrin	52918-63-5	mg/kg	0.5	n.d.	n.d.

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Abbreviation: mg/kg = milligram per kilogram
n.d = Not Detected (< RL)
RL = Reporting Limit

Remark:

2* The examined item meets the requirement.

3. Sensorial Examination

Test method: It is examined to the extent of food simulant being used, which comes into contact with the product, undergoes detectable changes in taste and smell

For this purpose, the food simulant was stored in the product under the below mentioned time and temperature. Afterwards, the food simulant was examined by an appropriate number of tasters with regard to any divergence in smell and taste. Another test sample, which was used as a reference, was treated by the same way except that it had no contact with the product to be tested.

Before testing, the product had been cleaned according to the product's instruction manual or in the absence of such manual, by normal household cleaning.

The test is carried out on the basis of ISO 13302 by paired comparison test:

Evaluation scheme:
0 = No discernible deviation
1 = Barely discernible deviation
2 = Weak deviation
3 = Clear deviation
4 = Strong deviation
Limit: 3 (failed)

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
Cucumber	40°C for 1 hour

Test No.:	T001
Material No.:	M001
Parameter	Result
Transfer of Smell:	1
Transfer of Taste:	1

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Test Method: The migratory behaviour is examined with reference to Chapter V, Article 18 of Commission Regulation 10/2011 and its amendments. Presence of Formaldehyde is detected according to EN 13130-23.

Limit: Commission Regulation (EU) No 10/2011 and its amendments

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
3% Acetic acid	2 h / 70°C

Test No.:	T001		
Sample No.:	M001		
Parameter	Unit	Result	Limit
Formaldehyde	mg/kg	<3	15

Abbreviations : mg/kg = Milligram per kilogramm
< = Less than

Remark:

4* The examined item meets the requirement.

Sample photo:

Lab ID.: A000983509-001

--- End of test report ---