



Technical Report No. 68.160.14.20245.01B
Dated 2014-04-02

Client: Liveon Industrial Co., Ltd

Address: No.46, Yudong 6 Road, the 4th Industrial Estate, Yangdong, Yangjiang, Guangdong, China

Attn.: Mr.david chen

Sample Description: Bamboo cutting board

Model No.: 440382

Sample Received Date: 2014-03-28

Test Period: From 2014-03-28 to 2014-04-01

Test Requested: As specified by client, to test below items as regulated by the Regulation (EC) No.1935/2004,

1. For material: Paper/ wood / bamboo
– Extractable Formaldehyde
2. For material: Paper/ wood / bamboo
– Pentachlorophenol content
3. For material: Paper/ wood / bamboo
– Extractable Lead, Cadmium and Mercury
4. For material: Paper/ wood / bamboo
– Sensory test with reference to EN 1230 Part 1 and Part 2

Conclusion: The submitted sample with test part(s) was found to **comply** with the respective requirement(s) for the tested item(s) as stated in the Regulation (EC) No.1935/2004 (Material in contact with food regulation)

Test Result: Refer to the following page(s)

Remark: --The result relates only to the items tested.

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1. TESTED SUBJECT DESCRIPTION

Sample Number	Tested Material Description	Photo
001	Natural color bamboo board	



2. TEST RESULT

2.1 EXTRACTABLE FORMALDEHYDE TEST

Test method: Sample preparation with reference to EN 645/647, followed by analysis with reference to EN 1541:2001.

Test Item	Result [mg/dm ²]	Maximum Permissible Limit [mg/dm ²]
	Sample 001	
Extractable Formaldehyde	0.5	1

Note:

- “mg/dm²” denotes milligram per square decimeter
- “<” denotes less than

2.2 PENTACHLOROPHENOL (PCP) CONTENT TEST

Test method: Solvent extraction with acetone, followed by derivatization and GC-ECD analysis.

Test Item	Result [mg/kg]	Maximum Permissible Limit [mg/kg]
	Sample 001	
Pentachlorophenol	< 0.05	0.15

Note:

- “mg/kg” denotes milligram per kilogram
- “<” denotes less than

2.3 EXTRACTABLE LEAD, CADMIUM AND MERCURY TEST

Test method: With reference to EN 645/647, EN 12497 and EN 12498.

Test Item	Result [mg/kg]	Maximum Permissible Limit [mg/kg]
	Sample 001	
Extractable Lead	< 0.5	3
Extractable Cadmium	< 0.05	0.5
Extractable Mercury	< 0.05	0.2

Note:

- “mg/kg” denotes milligram per kilogram
- “<” denotes less than



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2.4 SENSORY TEST

Test method: With reference to EN 1230 Part 1 and Part 2.

Test Item	Grading Result	Recommended Level
	Sample 001	
Transfer of Smell	1	< 3
Transfer of Taste	1	< 3

Note:

- Explanation for grading are listed as below:
 Grading 0: No perceptible taste/smell deviation
 Grading 1: Just perceptible taste/smell deviation
 Grading 2: Weak taste/smell deviation
 Grading 3: Clear taste/smell deviation
 Grading 4: Strong taste/smell deviation



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TÜV SÜD Group

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APPENDIX:

Photos of submitted products