



Technical Report No. 68.160.15.0341.01
Dated 2015-05-28

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: Rubber wood cutting board

Model No.: 440390/LIN0003080, 440601/LIN0013080

Sample Received Date: 2015-05-13

Test Period: From 2015-05-13 to 2015-05-21

Test Requested: As specified by client, to test below items as regulated by the German Food & Feed Acts LFGB (§ 30 & 31) and 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 German Food & Feed Acts LFGB (§ 30 & 31) and 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	Item Name	Tested Material Description	Photo
001	Board	Natural wood	



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	< 0.1	1

Note:

- “mg/dm²” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from the Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXXVI (Paper and board for food contact).

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
- The specification was quoted from the Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXXVI (Paper and board for food contact).

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 miligram per kilogram
- “<” denotes less than
- The specification was quoted from the Recommendation of the BfR “Kunststoffe im Lebensmittelverkehr” Part XXXVI (Paper and board for food contact).





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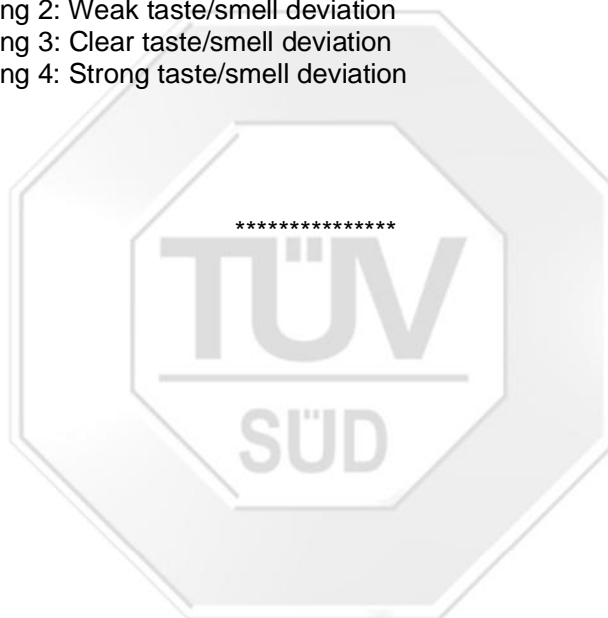
2.4 SENSORY TEST

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

Test Item	Grading Result	Recommended Level
	Sample 001	
Transfer of Smell	2.5	< 3
Transfer of Taste	2.0	< 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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APPENDIX:

Photos of submitted products

