



**Technical Report No. 68.435.17.0666.01**  
**Dated 2017-12-18**

Client: Liveon Industrial Co., Ltd

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

Attn.: Mr. David Chen

Sample Description: Acacia board with lacquer coating

Model No.: /

Supplier: Liveon Industrial Co., Ltd

Sample Received Date: 2017-12-06

Test Period: From 2017-12-06 to 2017-12-13

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. Sensory test
  - With reference to DIN 10955

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	Chopping board	Brown wood	

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## 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 <sup>2</sup> ]	Maximum Permissible Limit [mg/dm <sup>2</sup> ]
	Sample 001	
Extractable Formaldehyde	< 0.3	1

Note:

- “mg/dm<sup>2</sup>” 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	< 0.1	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 SENSORY TEST

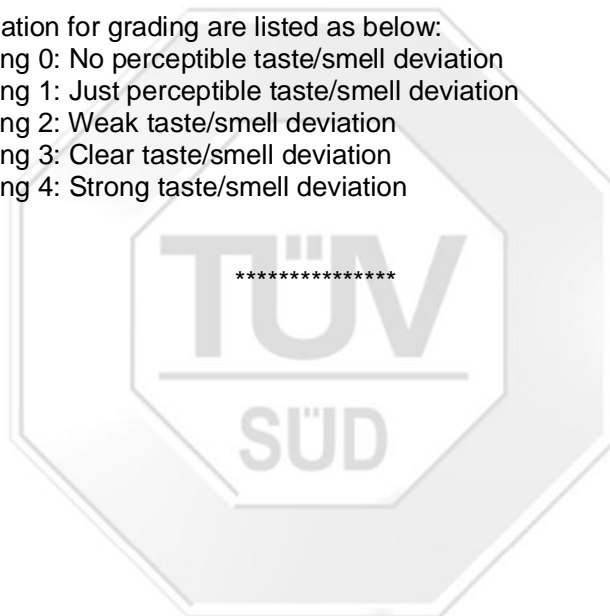
Test method: With reference to DIN 10955: 2004. The submitted sample was treated with food stimulant. After this treatment, treated water was examined by panels with regard to any divergence in smell and taste.

Testing condition and simulant: Distilled water at 70 °C for 2 hour(s).

Test Item	Grading Result	Recommended Level
	Sample 001	
Transfer of Smell	1	< 2.5
Transfer of Taste	1	< 2.5

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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