



Technical Report No. 68.435.18.0152.01
Dated 2018-03-22

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: Tempered glass board

Model No.: 114463

Supplier: Liveon Industrial Co., Ltd

Sample Received Date: 2018-03-09

Test Period: From 2018-03-09 to 2018-03-15

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: Glass and ceramics
 - Leachable Lead and Cadmium content
2. For material: Glass and ceramics
 - Leachable Cobalt 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 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	Glass	Transparent glass	



2. TEST RESULT

2.1. LEACHABLE LEAD AND CADMIUM CONTENT TEST

Test method: With reference to BS EN 1388: Part 1: 1996 and BS EN 1388: Part 2: 1996.

Test Item	Unit	Result	Maximum Permissible Limit
		Sample 001	
Leachable Lead	mg/dm ²	< 0.10	0.8
Leachable Cadmium	mg/dm ²	< 0.02	0.07

Note:

- “mg/dm²” denotes milligram per square decimeter
- “<” denotes less than
- The specification was quoted from directive 84/500/EEC for article as flatware (category 1).

2.2. LEACHABLE COBALT CONTENT TEST

Test method: With reference to BS EN 1388: Part 1: 1996 and BS EN 1388: Part 2: 1996.

Test Item	Unit	Result	Maximum Permissible Limit
		Sample 001	
Leachable Cobalt	mg/L	<0.05	0.1

Note:

- “mg/L” denotes milligram per Litre
- “<” denotes less than
- The specification was quoted from Germany Bavarian State Ministry of Justice and Consumer Protection.

2.3. SENSORY TEST

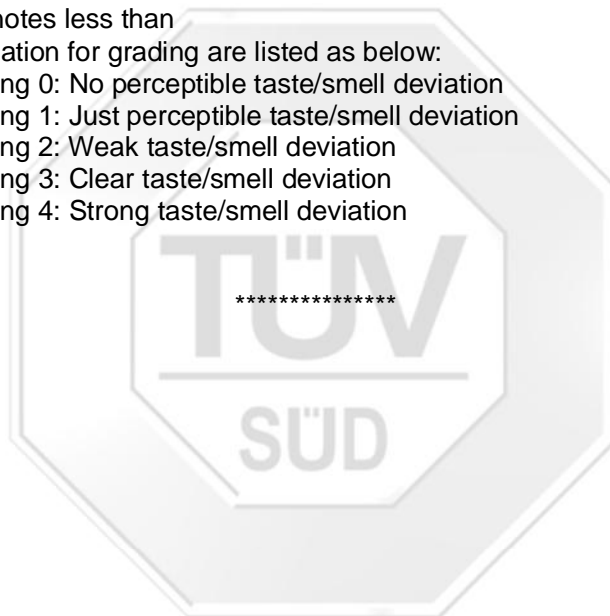
Test method: With reference to DIN 10955: 2004. The submitted sample was treated with food stimulant. After this treatment, treated water was examined by panels with regard to any divergence in smell and taste.

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:

- “<” denotes less than
- 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



TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
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Reviewed by:



Scarlett Liang
Designated Reviewer

APPENDIX:

Photos of submitted products