



**Technical Report No. 68.160.16.0410.01B**  
**Dated 2016-06-02**

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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: Golden titanium coating knife, color coating knife with sheath, uncoated s/s knife, color coating knife

Model No.: 006314, 0081128, 004302-06, 006220-27

Country of origin: China

Exported to: U. S. A

Sample Received Date: 2016-05-24

Test Period: From 2016-05-24 to 2016-06-02

Test Requested:

1. Test for compliance with U.S. F.D.A. C.F.R. 21. Part 175.300 (for resinous and polymeric coatings in contact with food)  
— With reference to U.S. F.D.A. C.F.R. 21. Part 175.300
2. Test for compliance with U.S. F.D.A. CPG 7117.05-Section 545.500  
- Leachable Lead with reference to ASTM C738-94

Test Results: Refer to following page(s)

Conclusion:

1. The submitted sample 001 was found to comply with the respective requirement(s) for the tested item(s) as specified in U.S. F.D.A. C.F.R. 21. Part 177.1500 for nylon resins in contact with food.
2. The submitted sample 002 and 003 were found to comply with the General Recognized As Safe (GRAS) Specifications for US FDA regulation on for Stainless steel in contact with food

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**1. TESTED SUBJECT DESCRIPTION**

Sample Number	Item Name	Tested Material Description	Photo
001	Coating	Black coating	
002	Blade	Coppery metal	
003	Blade	Silvery metal	

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2. TEST RESULTS

2.1 TEST FOR COMPLIANCE WITH U.S. F.D.A. C.F.R. 21. PART 175.300

Test Item	Result [mg/in <sup>2</sup> ]	CFR Specification [mg/in <sup>2</sup> ]
	Sample 001	
Total extractives in distilled water (212°F for 0.5 hour)	< 1.0	18
Total extractives in 8% ethanol (212°F for 0.5 hour)	< 1.0	18
Total extractives in n-Heptane (120°F for 0.5 hour)	< 1.0	18

Note:

- "mg/in<sup>2</sup>" denotes milligram per square inch
- "°F" denotes degree Fahrenheit
- "<" denotes less than
- Specification is quoted from U.S. F.D.A. C.F.R. 21. Part 175.300



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**2.2 TEST FOR COMPLIANCE WITH U.S. F.D.A. CPG 7117.05 - Section 545.500**

Test Item		Result(s) [µg/ml]		CPG Specification [µg/ml]
		Sample 002	Sample 003	
Leachable Lead	Trial 1	< 0.10	< 0.10	Average of 6 units < 7 ug/ml
	Trial 2	< 0.10	< 0.10	
	Trial 3	< 0.10	< 0.10	
	Trial 4	< 0.10	< 0.10	
	Trial 5	< 0.10	< 0.10	
	Trial 6	< 0.10	< 0.10	
	<b>Average</b>	< 0.10	< 0.10	

Note :

- "ug/ml" denotes microgram per milliliter.
- "<" denotes less than
- Specification is quoted from U.S. F.D.A. CPG 7117.05 - Section 545.500.

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

**Jerry Xin**  
**Project Handler**



Reviewed by:

**Scarlett Liang**  
**Designated Reviewer**

**APPENDIX:**

Photos of submitted products

	
<p><b>Golden titanium coating knife(006314)</b></p>	<p><b>Color coating knife (006220-27)</b></p>
	
<p><b>Uncoated s/s knife(004302-06)</b></p>	<p><b>Color coating knife with sheath(0081128)</b></p>