



SHANGHAI

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## TEST REPORT

Page 1/3

Report No.: S240403514\_1

29 April 2024

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APPLICANT: NANTONG QIANGSHENG NEW MATERIALS  
TECHNOLOGY CO., LTD (C02054)

SUIT 1801, SHANGHAI INT'L TRADE  
CENTER, 2201 YAN AN XI ROAD,  
200336 SHANGHAI SHANGHAI  
CHINA

Date of receipt : 15 Apr. 2024

Testing period : 15 Apr. 2024

: 29 Apr. 2024

**Buyer:** —

**Sample description:** 13 GAUGES Graphene LINER, Micro foam Nitrile palm coating, reinforced crotch

Reference no. : 01-501

Test(s) requested : —

Service : REGULAR

Brand / Section : —

Season : —

End use : —

Factory name : —

Factory code : —

Previous report : —

Product category : —

Product type : —

Test stage : FIRST TEST

Supplier name : —

Exported to : —

### 1. Conclusion:

	Tests description	Conformity
1	Specific Migration of Heavy Metals for Food Contact Plastics [EU No 10/2011 with Amendments & EU No 2020/1245]	Pass

Pass: requirements met    Fail: requirements not met    None: no requirement for this test    N/A: not applicable

Approved by

郑玉琼

June ZHENG 郑玉琼

Chemical Lab Supervisor

The report is issued by CTC Shanghai under its General Conditions printed overleaf. The results shown in this report refer only to the sample(s) tested. Except by special arrangement, the test items will not be retained by CTC Shanghai for more than 3 months. The test report shall not be reproduced, except in full, without the written approval of the testing laboratory.

To declare the conformity to the requirement, the uncertainty of measurement, associated to the test results, has not been taken into account.



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Page 2/3

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### 2. Sample(s) description assigned by laboratory:

- |  |
|--|
| 1 BLACK (GREY/WHITE) NITRILE (GRAPHENE NYLON) PALM (THUMB REINFORCEMENT) |
| 2 GREY/WHITE GRAPHENE NYLON BACK   |
| 3 GREY/WHITE GRAPHENE NYLON/ELASTIC CUFF                                 |



240403514

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Page 3/3

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### 3. GLOVE/

Whole glove

	Method	Client Requirement	Unit	Result	Conformity
<ul style="list-style-type: none"><li>Specific Migration of Heavy Metals for Food Contact Plastics [EU No 10/2011 with Amendments &amp; EU No 2020/1245]</li></ul>	Reference EN 13130-1:2004				Pass
Result				Please see end page details.	
Conformity		Pass		Pass	

### END OF TEST REPORT

- : The test was carried out by external accredited laboratory, not within their accreditation scope.



# ANNEX

## Specific Migration of Heavy Metals for Food Contact Plastics [EU No 10/2011 with Amendments]

Test Method: Extract According to EN 13130-1:2004; Followed by Analysis Using ICP-MS

Simulant: 3% acetic acid

Test Condition: 70°C, 2hours

Sample	Test Item(s)	1 <sup>st</sup> Contact Result (mg/kg)	2 <sup>nd</sup> Contact Result (mg/kg)	3 <sup>rd</sup> Contact Result (mg/kg)	Detection Limit (mg/kg)	Requirement for 3 <sup>rd</sup> Contact (mg/kg) Max.	Stability <sup>#</sup>	Rating
001	Aluminium(Al)	<0.2	<0.2	<0.2	0.2	1	Complies	PASS
	Barium(Ba)	<0.2	<0.2	<0.2	0.2	1	Complies	PASS
	Cobalt(Co)	<0.01	<0.01	<0.01	0.01	0.05	Complies	PASS
	Copper(Cu)	<1	<1	<1	1	5	Complies	PASS
	Iron(Fe)	<10	<10	<10	10	48	Complies	PASS
	Lithium(Li)	<0.1	<0.1	<0.1	0.1	0.6	Complies	PASS
	Manganese(Mn)	<0.1	<0.1	<0.1	0.1	0.6	Complies	PASS
	Nickel(Ni)	<0.01	<0.01	<0.01	0.01	0.02	Complies	PASS
	Zinc(Zn)	29.511	6.771	2.944	0.5	5	Complies	PASS
	Antimony(Sb)	<0.01	<0.01	<0.01	0.01	0.04	Complies	PASS
	Arsenic(As)	0.003	<0.003	<0.003	0.003	ND (0.01)	Complies	PASS
	Cadmium(Cd)	<0.001	<0.001	<0.001	0.001	ND (0.002)	Complies	PASS
	Chromium(Cr)	0.010	<0.003	<0.003	0.003	ND (0.01)	Complies	PASS
	Europium(Eu)	<0.01	<0.01	<0.01	0.01	0.05	Complies	PASS
	Gadolinium(Gd)	<0.01	<0.01	<0.01	0.01	0.05	Complies	PASS
	Lanthanum(La)	<0.01	<0.01	<0.01	0.01	0.05	Complies	PASS
	Lead(Pb)	<0.003	<0.003	<0.003	0.003	ND (0.01)	Complies	PASS
	Mercury(Hg)	<0.003	<0.003	<0.003	0.003	ND (0.01)	Complies	PASS
	Terbium(Tb)	<0.01	<0.01	<0.01	0.01	0.05	Complies	PASS
	Overall migration*	<3	<3	<3	3	60	Complies	PASS
Remarks : 1. "<" means less than; "mg/kg" means milligrams per kilogram 2. <sup>#</sup> The migration in the 2 <sup>nd</sup> contact shall not exceed the value observed in the 1 <sup>st</sup> contact, and the migration in the 3 <sup>rd</sup> contact shall not exceed the value observed in the 2 <sup>nd</sup> contact. 3. * "Overall Migration" means the overall migration of Ammonium, Calcium, Potassium, Magnesium and Sodium that are subjected to limitation (60 mg/kg) due to Article 11(3) and Article 12 of the Regulation EU No 10/2011.								

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