



## Test Report

Report No. A2240659286101

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**Company Name** NINGBO LANGCHI NEW MATERIAL TECHNOLOGY CO., LTD  
**shown on Report**  
**Address** NO. 59 LIXIN ROAD, ZONGHAN STREET, CIXI CITY, NINGBO

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant**

Sample Name	Food grade PUR tube
Part No.	8×5
Material	PUR
Color	transparent
Sample Received Date	Oct. 25, 2024
Testing Period	Oct. 25, 2024 to Nov. 1, 2024

**Test Conducted:**

As requested by the applicant. For details refer to next page(s).

**Test Conclusion**

The results of the test items shown on the report comply with the required limits of GB 4806.7-2023 National food safety standard Plastic materials and products for food contact.



Approved by

Hill Zheng

Hill Zheng

Technical Manager

Feb. 21, 2025

Date

No. T629896159

Client: Hill Zheng International Group Co., Ltd.

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

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### Executive Summary:

#### TEST REQUEST

GB 4806.7-2023 National food safety standard Plastic materials and products for food contact

- Sensory Requirements
- Overall migration
- Potassium permanganate wastage
- Heavy metal(as Pb)

#### CONCLUSION

PASS  
PASS  
PASS  
PASS

PASS (FAIL) means that the results shown on the report (do not) comply with the required limits.

\*\*\*\*\* For further details, please refer to the following page(s) \*\*\*\*\*

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**GB 4806.7-2023 National food safety standard Plastic materials and products for food contact****▼ Sensory Requirements**

Test Method: GB 4806.7-2023

Test Item(s)	Result	MDL	Requirement	Unit
	001			
Sense	Normal color and luster, no foreign smell, no impurity	--	Normal color and luster, no foreign smell, no impurity	--
Immersion solution	The immersion solution that got from the migration test had no sensory deterioration such as turbidity, sedimentation or odor	--	The immersion solution that got from the migration test had no sensory deterioration such as turbidity, sedimentation or odor	--

**▼ Overall migration**

Test Method: GB 31604.8-2021

Food Simulant(s): 10% ethanol; Test Condition: 70°C, 2h;

Immersion Method: Total immersion method; Migration times: 3; Area-Volume Ratio(S/V): 6.0 dm<sup>3</sup>/L

Test Item(s)	Result	MDL	Limit	Unit
	001			
Overall migration	N.D.	3.0	≤10	mg/dm <sup>2</sup>

**▼ Potassium permanganate wastage**

Test Method: GB 31604.2-2016

Food Simulant(s): Water; Test Condition: 60°C, 2h;

Immersion Method: Total immersion method; Migration times: 1; Area-Volume Ratio(S/V): 6.0 dm<sup>3</sup>/L

Test Item(s)	Result	MDL	Limit	Unit
	001			
Potassium permanganate wastage	1.5	1.0	≤10	mg/kg

**▼ Heavy metal(as Pb)**

Test Method: GB 31604.9-2016 The first method

Food Simulant(s): 4% acetic acid; Test Condition: 60°C, 2h;

Immersion Method: Total immersion method; Migration times: 1; Area-Volume Ratio(S/V): 6.0 dm<sup>3</sup>/L

Test Item(s)	Result	MDL	Limit	Unit
	001			
Lead (Pb)	<1	--	≤1	mg/kg

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The result(s) of the test item "Immersion solution" is(are) based on the condition(s) of all immersion solution used during immersion test(s) in this report.

**Sample/Part Description**

No.	CTI Sample ID	Description
1	001	Transparent plastic

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### Photo(s) of the sample(s)



#### Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

\*\*\* End of Report \*\*\*