

## TEST REPORT

CheckCode:645454  
Report No.:C202004270514E

**Applicant:** Shaoguan Ruihe Environmental Protection Technology Co., Ltd.  
**Address:** The original LinNan rare earth materials factory, East Yingfeng Road, Rucheng Town, Ruyuan county, Shaoguan City, Guangdong Province

**The following sample information was submitted and identified by/on the behalf of the client**

**Name:** Super-hydrophobic coating  
**Item/Style No.:** RS6301  
**Reference** RS6302, RS6303  
**Item/Style No.:**  
**Sample State:** Normal

**Date of Receipt:** Apr.30, 2020 **Test Period:** Apr.30, 2020 – May 13, 2020

**Test Request:** Selected test(s) as requested by client.

**Test Result:** Please refer to following page(s)

**Conclusion:** The tested parameters comply with the requirement stated in GB 4806.10-2016 for food contact with painting and coating.

Edited by Pan Min

Reviewed by Zhang Lina

Approved by Zheng Xiaoping



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Seal of:

GUANGZHOU GRG METROLOGY & TEST CO., LTD.

Issue date: May.13,2020

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## Result Summary:

No.	Test Item	Conclusion
1	GB 4806.10-2016--Sensory test	Comply
2	GB 4806.10-2016--Consumption of Potassium Permanganate	Comply
3	GB 4806.10-2016--Heavy metal (Count as Pb)	Comply

## Sample Description:

Sample No.	Description
1	Light grey coating (on metal)

Remark: The report is English version of test report C202004270514E. In case of divergence, the Chinese text shall be regarded as authentic.

## Test Result(s):

1. **GB 4806.10-2016--Sensory test**

Test method: With reference to GB 4806.10- 2016.

Test Item	Sample	Requirement	Conclusion
	1		
Sensory	Smooth surface, normal color, without air bubbles; no crazing, no bubbles, no flake off after immersion	The surface which contact with food should be smooth, normal color, without air bubbles; no crazing, no bubbles, no flake off after immersion	Comply
Immersion solution	Colorless, no turbidity, no precipitate, no smell, or other sensory deterioration	Colorless, no turbidity, no precipitate, no smell, or other sensory deterioration	Comply

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## 2. GB 4806.10-2016-Overall migration

Test method: With reference to GB 31604.8-2016.

Simulant Used	Time	Temperature	Sample	Unit	MDL	Limit	Conclusion
			1				
10% Ethanol(v/v)	240hr	20°C	N.D.	mg/dm <sup>2</sup>	3.0	≤10	Comply

Remark: 1) mg/dm<sup>2</sup> = milligram per square decimeter  
2) MDL = Method Detection Limit  
3) "N.D." = Not Detected (Below Method Detection Limit)  
4) \* The result was found to be more than the permissible limit.

## 3. GB 4806.10-2016-Consumption of Potassium Permanganate

Test method: With reference to GB 31604.2-2016.

Simulant Used: Distilled water

Test Condition: 60°C, 2hr

Test Item	Sample	Unit	MDL	Limit	Conclusion
	1				
Consumption of Potassium Permanganate	1.4	mg/kg	1.0	≤10	Comply

Remark: 1) mg/kg = milligram per kilogram of foodstuff in contact with  
2) MDL = Method Detection Limit

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**4. GB 4806.10-2016-Heavy metal (Count as Pb)**

Test method: With reference to GB 31604.9-2016.

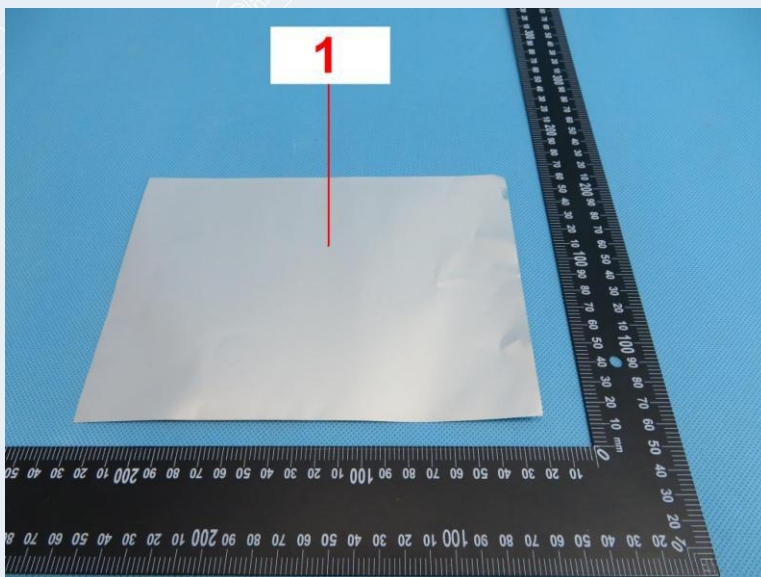
Simulant Used: 4%Acetic Acid(v/v)

Test Condition: 60℃, 2hr

Test Item	Sample	Unit	Limit	Conclusion
	1			
Heavy metal (Count as Pb)	<1	mg/kg	≤1	Comply

Remark: mg/kg = milligram per kilogram of foodstuff in contact with

Photo of Sample



-----End of Report-----

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