

TEST REPORT

CheckCode:623453
Report No.:C202006037894E

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: water-based coating
Item/Style No.: RH05

Sample State: Normal

Date of Receipt: Jun.05, 2020 **Test Period:** Jun.05, 2020 – Jun 19, 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--Overall migration	Comply
3	GB 4806.10-2016--Consumption of Potassium Permanganate	Comply
4	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℃	N.D.	mg/dm ²	3.0	≤10	Comply
4% Acetic acid(v/v)	240hr	20℃	N.D.	mg/dm ²	3.0	≤10	Comply

Remark: 1) mg/dm² = 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℃, 2hr

Test Item	Sample	Unit	MDL	Limit	Conclusion
	1				
Consumption of Potassium Permanganate	1.3	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.

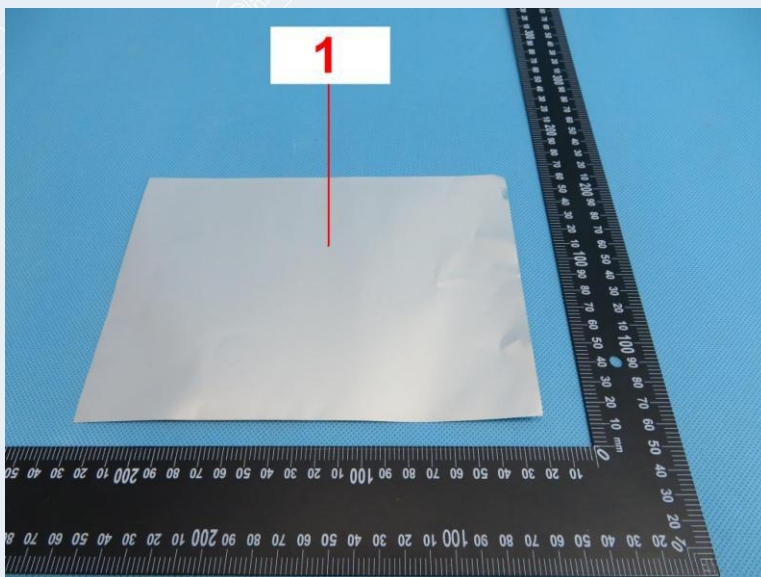
Simulant Used: 4%Acetic Acid(v/v)

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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