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检测
TESTING
CNAS L9939

TEST REPORT

Report No.: FCM2350946 (EN)
Sample Name: Polyethylene terephthalate (PET) resin for bottles
Applicant: China Resources Chemical Innovative Materials Co.,
LTD.
Manufacturer: China Resources Chemical Innovative Materials Co.,
LTD.

南京海关危险货物与包装检测中心

NANJING CUSTOMS DISTRICT TESTING CENTER
FOR DANGEROUS GOODS AND PACKAGING

国家食品接触材料检测重点实验室

STATE KEY TESTING LABORATORY OF FOOD CONTACT MATERIALS





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Date:2023/03/13

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Test Report

Information of Applicant (provided by the client):

Applicant: China Resources Chemical Innovative Materials Co., LTD.
Address: No.1 Xinyu East Road, Weitang Industrial Zone, Xinbei District, Changzhou, Jiangsu, China

Sample Information (provided by the client):

Sample Name: Polyethylene terephthalate (PET) resin for bottles
Manufacturer: China Resources Chemical Innovative Materials Co., LTD.
Material: Diglycol-m-phthalic acid modified polyethylene terephthalate copolymer
Description: PET (CR-8863)
Quantity: 1kg
Batch No.: 20230210
Manufacturing Date: 2023/02/10

Test Information:

Sample No.: FCM2350946
Date Received: 2023/02/23
Test Period: 2023/02/23~2023/03/03
Test Requirement: In accordance with the client's requirements
Test Items: Please refer to next page(s).
Conclusion: Please refer to next page(s).

Signature:

Issue Date:2023/03/13





Summary of Test Items and Results

Test Item	Resource of Restriction and Requirement	Conclusion
Appearance	GB/T 17931-2018	Pass
Technical requirements of PET resin for bottle	In accordance with the client's requirements	Pass

Test Result

1. Appearance

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Appearance	Comply	PET resin for bottle should be milky white particles of uniform size, without mechanical impurities or particles with visible black spots.	Pass	GB/T 17931-2018

2. Technical requirements of PET resin for bottle

Test Item	Test Result	Restriction and Requirement	Assessment	Test Method
Intrinsic viscosity, dL/g	0.815	0.810±0.015	Pass	GB/T 17931-2018
Content of acetaldehyde, µg/g	0.4	≤1.0	Pass	SH/T 1817-2017
Chroma (b value)	-2.7	≤1.0	Pass	GB/T 17931-2018
Chroma (L value)	84.9	≥80	Pass	GB/T 17931-2018
Content of diethylene glycol, %	1.30	1.3±0.2	Pass	GB/T 14190-2017 method A
Content of carboxyl end group, mmol/kg	18.6	≤30	Pass	GB/T 17931-2018
Melting point (DSC method), °C	249	249±2	Pass	GB/T 17931-2018
Particle appearance (powder), mg/kg	<50	≤80	Pass	GB/T 14190-2017 method A
Particle appearance (different color particles), particle/500g	None	None	Pass	GB/T 17931-2018
Moisture, %	0.05	≤0.2	Pass	GB/T 14190-2017 method A
Density, g/cm ³	1.397	1.40±0.01	Pass	GB/T 17931-2018 impregnation method
Ash, %	<0.05	≤0.08	Pass	GB/T 17931-2018





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Note: (1)The LOQ of content of acetaldehyde is $0.8 \mu\text{g/g}$.
(2)In accordance with the client's requirements, the test result of content of acetaldehyde less than LOQ was expressed, the test result is for reference only.

The picture of submitted sample



*** END ***





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