

# Test Report

No. SHAEC2003555601

Date: 19 Mar 2020

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JIANGSU RUIMEIFU NEW MATERIAL CO.,LTD

Jienan Village; Jiepai Town; Danyang City Jiangsu Province; CHINA

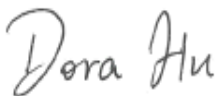
The following sample(s) was/were submitted and identified on behalf of the clients as : PA6/PA66 copolymer nylon

SGS Job No. : SP20-004534 - SH  
 Client Ref. Information : RG3315; RG3418; RG4018; RG1617;RG1618;RG1619  
 Date of Sample Received : 12 Mar 2020  
 Testing Period : 12 Mar 2020 - 19 Mar 2020  
 Test Requested : Selected test(s) as requested by client.  
 Test Method : Please refer to next page(s).  
 Test Results : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
FDA 21 CFR 177.1500–Maximum extractable fraction	PASS
FDA 21 CFR 177.1500–Specific gravity at 23°C	PASS
FDA 21 CFR 177.1500–Melting point	FAIL
FDA 21 CFR 177.1500–Solubility in boiling 4.2N HCl	PASS

Signed for and on behalf of  
 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.



Dora Hu  
 Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	SHA20-035556.002	White granule	PA6/PA66

Remarks :

- (1) mg/dm<sup>2</sup> = milligram per square decimeter
- (2) mg/kg = milligram per kilogram
- (3) °C= degree Celsius
- (4) < = less than
- (5) MDL = Method Detection Limit
- (6) ND = Not Detected ( < MDL)

**FDA 21 CFR 177.1500–Maximum extractable fraction**

Test Method : With reference to FDA 21 CFR 177.1500

<u>Simulant Used</u>	<u>Max. Permissible Limit</u>	<u>Result of 002</u>	<u>Conclusion</u>
Maximum extractable fraction in water, W/W%	0.8	0.25	PASS
Maximum extractable fraction in 95% ethyl alcohol, W/W%	1.0	0.53	PASS
Maximum extractable fraction in ethyl acetate, W/W%	0.5	<0.05	PASS
Maximum extractable fraction in benzene, W/W%	0.5	<0.05	PASS

**FDA 21 CFR 177.1500–Specific gravity at 23°C**

Test Method : With reference to FDA 21 CFR 177.1500

<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Specific gravity at 23°C,g/cm <sup>3</sup>	1.125-1.155	1.142
<b>Conclusion</b>		<b>PASS</b>



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**FDA 21 CFR 177.1500–Melting point**

Test Method : With reference to FDA 21 CFR 177.1500

<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Melting point(°F)*	380–425	369#
<b>Conclusion</b>		<b>FAIL</b>

Notes :

- (1) \*The test was subcontracted to SGS Ningbo chemical lab.
- (2) #=Exceed the limit

**FDA 21 CFR 177.1500–Solubility in boiling 4.2N HCl**

Test Method : With reference to FDA 21 CFR 177.1500

<u>Test Item(s)</u>	<u>Limit</u>	<u>002</u>
Solubility in boiling 4.2N HCl	★	Dissolved
<b>Conclusion</b>		<b>PASS</b>

Notes :

- (1) ★ = Dissolves in 1 hour



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



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