

Test Report

No. SHAEC2003555601

Date: 19 Mar 2020

Page 1 of 4

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.

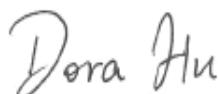
Test Method : Please refer to next page(s).

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 Report

No. SHAEC2003555601

Date: 19 Mar 2020

Page 2 of 4

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/dm² = 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

Simulant Used	Max. Permissible Limit	Result of 002	Conclusion
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

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

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Test Report

No. SHAEC2003555601

Date: 19 Mar 2020

Page 3 of 4

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#
Conclusion		FAIL

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
Conclusion		PASS

Notes :

- (1) ★ = Dissolves in 1 hour

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Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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