

Test Report

No. CANEC2307030201

Date: 22 May 2023

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Client Name : SHENZHEN FENG HE XIN NEW MATERIAL TECHNOLOGY CO.,LTD

Client Address : NO40#,JIANLONG,HENGGANG, LONGGANG, SHENZHEN, CHINA.

Sample Name : PA612 Brush Fibre

The above sample(s) and information were provided by the client.

SGS Job No. : CP23-021767 - SZ

Date of Sample Received : 16 May 2023

Testing Period : 16 May 2023 - 22 May 2023

Test Requested : Selected test(s) as requested by the client.

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

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

Result Summary :

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

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Ivy Ren

Ivy Ren
Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description	Material (claimed by the client)
SN1	CAN23-070302.001	White material	PA612

FDA 21 CFR 177.1500–Maximum extractable fraction

Test Method : With reference to US FDA 21 CFR 177.1500.

<u>Simulant Used</u>	<u>Time</u>	<u>Temperature</u>	<u>Max. Permissible Limit</u>	<u>Result of 001</u>
Benzene	8hr(s)	Reflux temperature	0.5%(w/w)	0.36%(w/w)
Distilled Water	8hr(s)	Reflux temperature	0.50%(w/w)	0.43%(w/w)
Ethyl Acetate	8hr(s)	Reflux temperature	0.50%(w/w)	<0.05%(w/w)
95% Ethyl Alcohol	8hr(s)	Reflux temperature	1.5%(w/w)	0.94%(w/w)

Notes :

1. %w/w = percentage of weight by weight

FDA 21 CFR 177.1500–Specific gravity at 23°C

Test Method : With reference to US FDA 21 CFR 177.1500.

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Specific gravity at 23°C	1.045 – 1.075	1.074

FDA 21 CFR 177.1500–Solubility in boiling 4.2N HCl

Test Method : With reference to US FDA 21 CFR 177.1500.



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SGS-CSI Standards Technical Services Co., Ltd.
Guangzhou Branch / China Service Chemical Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
 中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
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<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Solubility in boiling 4.2N HCl, 1hr	Insoluble after 1hr	Insoluble

FDA 21 CFR 177.1500–Melting Point

Test Method : With reference to US FDA 21 CFR 177.1500.

<u>Test Item(s)</u>	<u>Limit</u>	<u>001</u>
Melting Point(°F)	406 – 420	417.6

Remark: Limit = Reference limit. The test sample is out of scope of the standard.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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Guangzhou Branch / Guangzhou Branch Chemical Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



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