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# TEST REPORT

No. : SHAM20230502235  
Date : May 17,2023  
Page : 1 of 5

FITOK (SUZHOU) METAL PRODUCTS CO., LTD  
NO.29 CHANGSHENG ROAD, YANGYUAN INDUSTRIAL PARK, XINZHUANG TOWN, CHANGSHU  
CITY, SUZHOU

The following sample(s) was/ were submitted and identified on behalf of the client as:

Sample Name : 1#: 316/316L Sample Tube A  
2#: 316/316L Sample Tube B  
Sample Number : SHAM20230502235  
Product specification :  $\phi 3/8" \times 0.065"$   
Product or Lot No. : HEAT: YX2010-2257  
Material and Mark : 316/316L  
Test Required : Cleanliness  
Date of Receipt : May 9,2023  
Test Period : May 9,2023~May 17,2023  
Test result(s) : For further details, please refer to the following page(s)

\*\*\*\*\* To be continued\*\*\*\*\*

Sign for  
TÜV SÜD Certification and Testing (China) Co., Ltd.  
Shanghai Branch  
Industrial Material Testing Laboratory  
Reviewed by:



Authorized by:

Aubrie Wang  
Quality management representative

Cosmo Yuan  
Technical Supervisor

Note: (1) General Terms & Conditions as mentioned overleaf or <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en>. (2) The results exclusively relate to the sample(s) under test. (3) The test report shall not be reproduced except in full, without the written approval of the laboratory.

Laboratory: Industrial Material Testing Laboratory

Phone: +86 21 6037 6300

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Address: Bldg. D, No. 2059, Duhui Rd., Minhang Dist., Shanghai, 201108, P.R. China

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Website: [www.tuvsud.cn](http://www.tuvsud.cn)

Address: 3-13F, No.151, Hengtong Rd., Shanghai, 200070, P.R. China





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Page : 2 of 5

Cleanliness:

Test method : BS ISO 16232:2018  
Test condition : Electron microscope(X50): SM65S  
Membrane filters: 5µm  
Solvent: Petroleum ether

Test result:

1#:

Test item	Specification	Result
Total particle mass	≤1.2mg/piece	0.23mg/piece
Max. Metallic Particle	-	304.7µm
Max. Non-metallic particle	-	129.4µm

Note:"ND"= Not detected, The detection limit is 50µm. The accuracy of the balance is 0.01 mg.Non-Metallic particle does not contain fiber or fiber balls.

2#:

Test item	Specification	Result
Total particle mass	≤1.2mg/piece	0.28mg/piece
Max. Metallic Particle	-	247.7µm
Max. Non-Metallic Particle	-	113.2µm

Note:"ND"= Not detected, The detection limit is 50µm. The accuracy of the balance is 0.01 mg.Non-Metallic particle does not contain fiber or fiber balls.

\*\*\*\*\* To be continued\*\*\*\*\*

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No. : SHAM20230502235

Date : May 17,2023

Page : 3 of 5

Particulate:

1#:

Size class	Particle Size X( $\mu\text{m}$ )	Metallic particles (/piece)	Non-Metallic particles (/piece)	Total particle count(/piece)			
				Results		Specification	
				Particle count	Cleanliness level	Particle count	Cleanliness level
F	$100 \leq X < 150$	0	1	1	0	300	9
G	$150 \leq X < 200$	0	0	0	00	200	8
H	$200 \leq X < 400$	1	0	1	0	50	6
I	$400 \leq X < 600$	0	0	0	00	5	3
J	$600 \leq X < 1000$	0	0	0	00	0	00

2#:

Size class	Particle Size X( $\mu\text{m}$ )	Metallic particles (/piece)	Non-Metallic particles (/piece)	Number of Total particles(/piece)			
				Results		Specification	
				Particle count	Cleanliness level	Particle count	Cleanliness level
F	$100 \leq X < 150$	0	4	4	2	300	9
G	$150 \leq X < 200$	0	0	0	00	200	8
H	$200 \leq X < 400$	1	0	1	0	50	6
I	$400 \leq X < 600$	0	0	0	00	5	3
J	$600 \leq X < 1000$	0	0	0	00	0	00

\*\*\*\*\* To be continued\*\*\*\*\*

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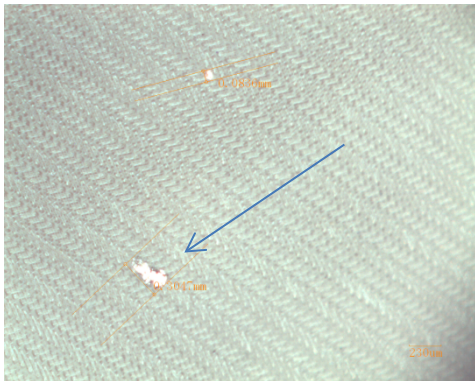
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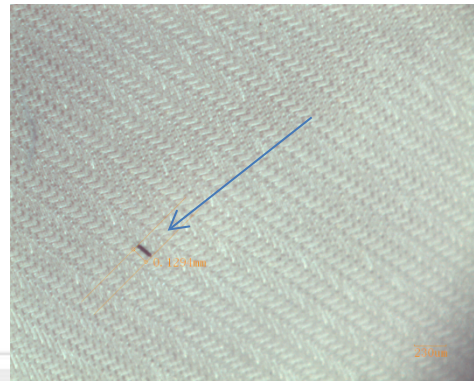
# TEST REPORT

No. : SHAM20230502235  
Date : May 17,2023  
Page : 4 of 5

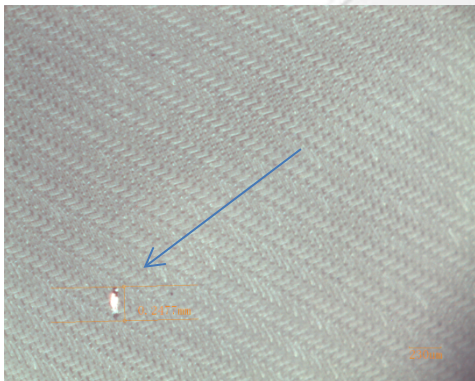
Test photo(s):



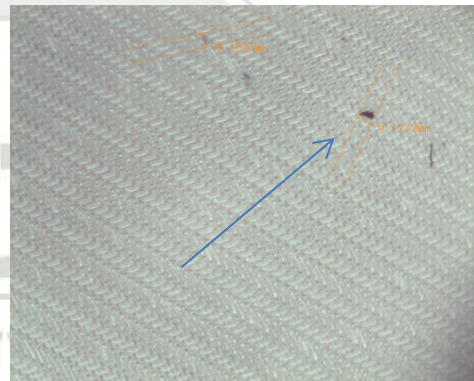
1# Max.Metallic particle



1# Max.Non-metallic particle



2# Max.Metallic particle



2# Max.Non-metallic particle

\*\*\*\*\* To be continued\*\*\*\*\*

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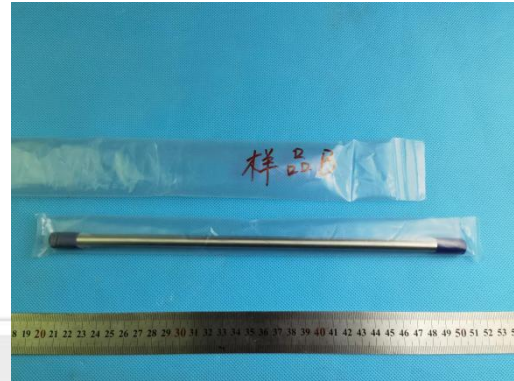
Date : May 17,2023

Page : 5 of 5

Sample photo(s):



1#



2#

\*\*\*\*\* End of report \*\*\*\*\*



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