TEST REPORT

No. : GZIN1604017192ML-01
Date : May 03, 2021

CUSTOMER NAME: SEM (WUXI) METALWORKS CO., LTD

ADDRESS: 8# XIZHAI ROAD, HOUZHAI INDUSTRIAL PARK NEW DISTRIC, WUXI, JIANGSU, CHINA

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

Sample Name	:	TUBE
Product Specification	:	3.0mm*1500mm
Manufacturer	:	XSJ
Material and Mark	:	Q345D
Date of Receipt	:	Apr 25, 2021
Testing Start Date	:	Apr 25, 2021
Testing End Date	:	Apr 25, 2021
Test result(s)	:	For further details, please refer to the following page(s)

Signed for
SGS-CSTC Standards Technical Services Co., Ltd. GZ Branch Testing Center

Shining Chan
Authorized signatory

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155661 f (86–20) 82075080 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155661 f (86–20) 82075080 e sgs.china@sgs.com

TEST REPORT

1. Chemical Composition Analysis:

Test Method: GB/T 4336-2002

Sample Description	Item/Article/ Model/style No.	C	Si	Mn	P	S	Con.
Tube 3.0mm*1500mm , %	15304522A-1 (Heat Number)	0.060	0.12	1.14	0.014	＜0.003	Pass
GB/T 1591-2008 Q345D Req., %	-	≤0.18	≤0.50	≤1.70	≤0.030	≤0.025	-

2. Tensile Test:

Test method: GB/T 228.1-2010

Sample Description	Item/Article/ Model/style No.	Tensile strength, R_m (MPa)	Yield strength, $R_{p0.2}$ (MPa)	Percentage elongation after fracture, A_{50mm} (%)	Con.
Tube 3.0mm*1500mm (Q345D)	15304522A-1 (Heat Number)	547	501	21.5	Pass
GB/T 1591-2008 Q345D requirement	——	470~630 (t≤40)	≥345 (t≤16)	≥20 (t≤40)	——

Note:1. The specimens were machined by client.

2. t is sample thickness, mm.

3. The results comply with the requirement of GB/T 1591-2008 type Q345D.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86–20) 82155661 f (86–20) 82075080 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86–20) 82155661 f (86–20) 82075080 e sgs.china@sgs.com

TEST REPORT

No. : GZIN1604017192ML-01
Date : May 03, 2021

Original Sample Photo:

Note: This test report supersedes test report No. GZIN1604017192ML, the original test report is void.

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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

198 Kezhu Road, Scientech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155661 f (86-20) 82075080 www.sgsgroup.com.cn
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155661 f (86-20) 82075080 e sgs.china@sgs.com