



JL/TYJ7.5-005-G/0



中国认可
国际互认
TESTING
CNAS L3293



160008222901

No: 2021-GMRI-XZX-FS-001

试 验 报 告

Test Report

产 品 名 称 :

不锈钢方棒

PRODUCT:

Stainless Steel Square Bar

客 户 单 位 :

江苏新中信电器设备有限公司

CLIENT:

Jiangsu XZX Co., Ltd.

生 产 单 位 :

/

MANUFACTURER:

试 验 项 目 :

抗氢致开裂 (HIC) 试验

TEST ITEM:

Hydrogen Induced Cracking Test

合肥通用机械研究院特种设备检验站有限公司

SPECIAL EQUIPMENT INSPECTION STATION OF

HEFEI GENERAL MACHINERY RESEARCH INSTITUTE CO., LTD.

注 意 事 项

DECLARATION

- 1、报告无试验报告专用章或检验单位公章无效。
The report is invalid in case of no special seal for test report or no official seal of the inspection unit.
- 2、报告无试验、审核、批准人签章无效。
The report is invalid in case of no signatures of test assistant, reviewer and approver.
- 3、报告涂改无效。
The report is invalid in case of sign of erasure.
- 4、对试验报告若有异议，请于收到报告之日起十五日内向检验单位提出。
If any objections to this test report occur, please submit to the inspection unit within 15 days upon receipt of this report.
- 5、一般情况，委托试验仅对来样负责。
Generally, the test unit only bears responsibility for the received samples in case of commissioned inspection.
- 6、本试验室对出具的试验结果负责。未经本试验室书面同意不得部分地复制本报告。
The laboratory is responsible for the inspection results. This test report shall not be duplicated without prior written approval of the laboratory.
- 7、如有异议，以报告中文内容为准。
In the event of any dispute of this report, the Chinese language version shall control.

合肥通用机械研究院特种设备检验站有限公司

Special Equipment Inspection Station of Hefei General Machinery Research Institute Co., Ltd.

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合肥通用机械研究院特种设备检验站有限公司
试 验 报 告Special Equipment Inspection Station of Hefei General Machinery
Research Institute Co., Ltd. Test Report

№ 2021-GMRI-XZX-FS-001

产品名称 Product	不锈钢方棒 Stainless steel square bar		型号规格 Model/specification	/
			商标 Trademark	VFK
客户单位 Client	江苏新中信电器设备有限公司 Jiangsu XZX Co., Ltd.		试验类型 Test type	抗氢致开裂试验 Hydrogen induced cracking test
生产单位 Manufacturer	/		样品等级 Grade of sample	/
生产单位地址 Address	/		抽 Sampling 样日期 Date	/
抽样地点 Sampling location	/		送 Sending	2021.10.8
样品数量 Quantity of samples	1 组 One set	抽样基数 Base number of sampling	抽 Sampling 样者 Person	/
		/	送 Sending	李达 Li Da
原样品编号 Serial number of original sample	1		样品编号 Sample number	20211008-XZX-HIC-11~13
试验依据 Test basis	NACE TM0284-2016 <i>Evaluation of Pipeline and Pressure Vessel Steels for Resistance to Hydrogen-Induced Cracking</i>			
试验项目 Test items	抗氢致开裂试验 Hydrogen induced cracking test			
试验结论 Test conclusion	试验结果见附件。 Test results refer to appendix. 签发日期: 2021 年 10 月 26 日 Date of issue: 2021.10.26			
备注 Remarks	1、产品名称、原样品编号、材质、炉/批号、商标和试验技术条件由委托方提供。 1. Product, serial number of original sample, material, batch No., trademark and technical requirements are provided by the client. 2、试验方法及标准由委托方指定。 2. Test method and standard are required by the client. 3、试验由江苏隐石检验检测有限公司委托, 报告出具给江苏新中信电器设备有限公司。 3. The test was commissioned by Jiangsu Yinshi Inspection and Testing Co., Ltd., and the report was issued to Jiangsu XZX Co., Ltd.			

批准:

Approver:

审核:

Reviewer:

试验:

Test assistant:

-----本报告主体内容结束线-----

-----End of the Text Body of the Report-----

JL/TYJ7.5-005-G/0 合肥通用机械研究院特种设备检验站有限公司试验报告

SPECIAL EQUIPMENT INSPECTION STATION OF HEFEI GENERAL MACHINERY RESEARCH INSTITUTE CO., LTD. TEST REPORT
NO:2021-GMRI-XZX-FS-001

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附件:

Appendix:

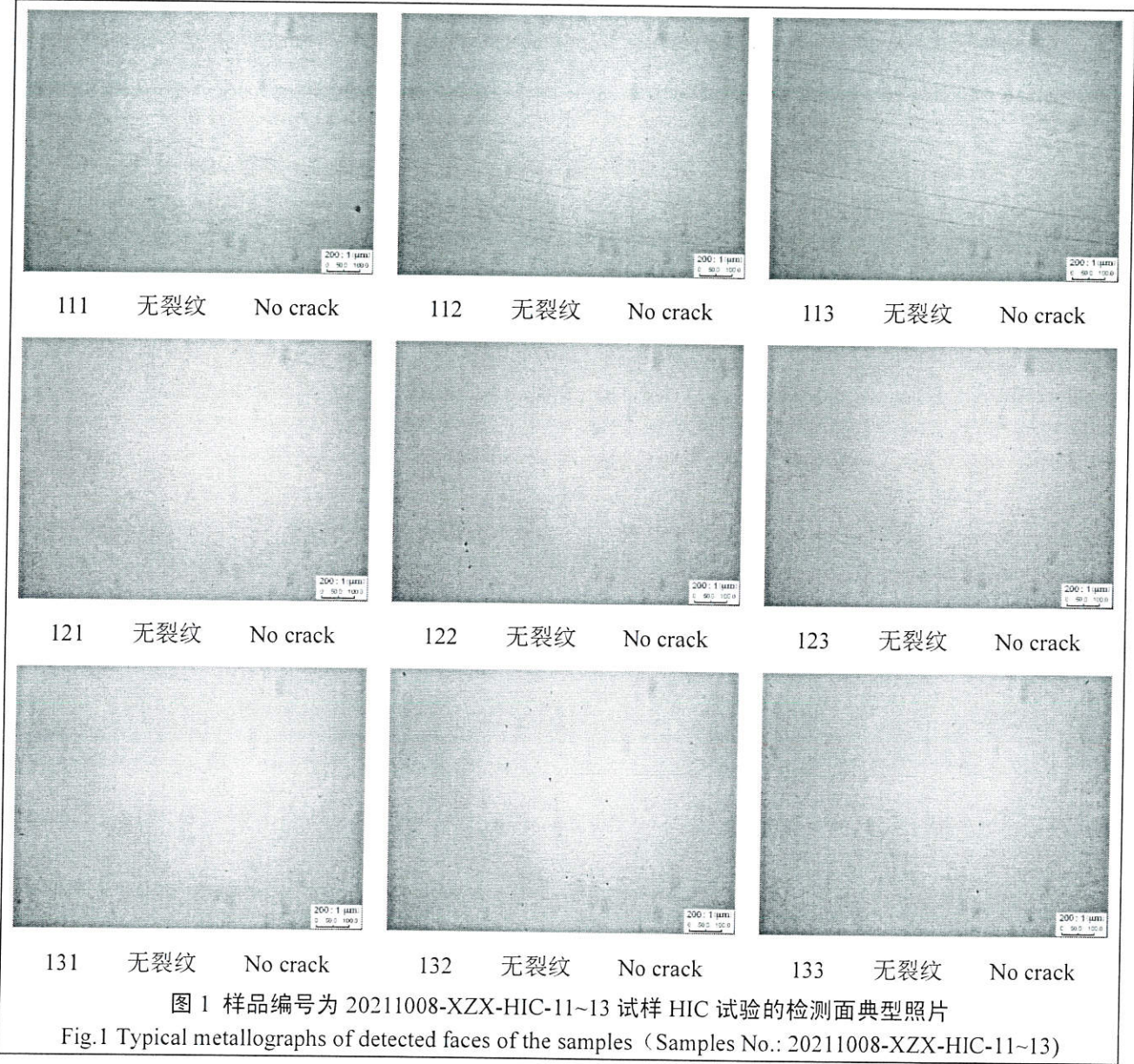
客户单位 Client	江苏新中信电器设备有限公司 Jiangsu XZX Co., Ltd.		
试样信息 Information of the samples			
样品编号 Samples No.	产品名称 Product	原样品编号 Serial No. of original sample	材质 Material
20211008-XZX-HIC -11~13	不锈钢方棒 Stainless steel square bar	1	TP316L
	炉/批号 Batch No.	备注 Remarks	
	YX1910-699	试样由委托方制备 The specimens were machined by the entrusting party.	

试验信息 Test information						
试验温度 Temperature	试验溶液 Test solution	pH			脱脂方式 Degreasing method	试验时间 Test duration
		初始溶液 Initial	试验开始 Start	试验结束 Finish		
25℃	溶液 A Solution A	2.7	3.1	3.8	脱脂剂 Degreasing agent	96 h

试验结果 Test results							
样品编号 Samples No.	检测面 Detected face	CLR (%)		CTR (%)		CSR (%)	
		实测值 Measured value	平均值 Average	实测值 Measured value	平均值 Average	实测值 Measured value	平均值 Average
20211008-XZX-HIC-11	111	0	0	0	0	0	0
	112	0		0		0	
	113	0		0		0	
20211008-XZX-HIC-12	121	0	0	0	0	0	0
	122	0		0		0	
	123	0		0		0	
20211008-XZX-HIC-13	131	0	0	0	0	0	0
	132	0		0		0	
	133	0		0		0	
每组试样的平均值 Average for all samples		0		0		0	

委托方的验收要求: /

Acceptance requirements of the client: /



HIC 裂纹信息					
Information of HIC cracks					
检测面 Detected face	裂纹长度(a) Crack length (μm)	裂纹宽度(b) Crack thickness (μm)	检测面 Detected face	裂纹长度(a) Crack length (μm)	裂纹宽度(b) Crack thickness (μm)
/	/	/	/	/	/

-----本附件主体内容结束线-----

-----End of the Main Body of Appendix-----