



中国船级社
CHINA CLASSIFICATION SOCIETY

证书格式号 Form: A01.01-
HQ002141

产品检测和试验机构认可证书
CERTIFICATE OF TEST AGENCY APPROVAL

副本
COPY

证书编号 Certificate No. FZ15S00001

兹证明本证书所述试验机构具备按照本社接受的试验标准进行本证书所列产品试验的能力和条件

This is to certify the agency stated in the certificate is available with the ability and conditions to test the relevant products in accordance with the standards accepted by this Society.

检测和试验机构/ Test Agency

通标标准技术服务有限公司厦门分公司

SGS_CSTC Standards Technical Services Co., Ltd. Xiamen Branch

厦门市火炬(翔安)产业区翔虹路31号

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province

认可试验范围/ Items of Test Approved

具体试验范围见附页。

For details of the test items, please refer to the attached sheets.

试验主要适用标准/ Main Test Standards

1. 中国船级社《材料与焊接规范》2012及其修改通报。

CCS RULES FOR MATERIALS AND WELDING 2012 and the Amendments.

2. 具体试验标准见附页。

For details of the test standards, please refer to the attached sheets.

证书有效期至/ This Certificate is valid until

2019年3月13日 / Mar. 13, 2019

发证机构

中国船级社福州分公司

签发日期

2015年5月28日

Issued by

CCS Fuzhou Branch

Date

May. 28, 2015

本证书根据中国船级社《钢质海船入级规范》及有关产品检验和试验证书的有关规定, 本证书与背面的说明。当本证书包括多项试验时, 则所有证书页为一个整体, 必须同时使用。每一页证书均须由本社盖章方为有效。证书复印件无效。任何单位和个人均不应摘取或节选本证书的部分内容。本证书不表示本社对产品质量的检验。有关各方对所持证书的真实性负责。如有任何疑问, 可向本社检验机构咨询。
This Certificate is issued pursuant to the Rules for Classification of Sea-going Steel Ships and related procedures of the Society. Refer to the back of the certificate for detailed requirements of the certificate. When the certificate consists of more than one page, all pages of the certificate are taken as a whole and are used simultaneously. No certificate page is valid without bearing the stamp of the Society and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. This approval certificate does not constitute the inspection of the Society about the quality of the unit batch product. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.



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FZ60294863
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认可保持条件/ Maintenance Requirements of Approval

1. 产品检测和试验机构认可后, 如果检测、试验设备或试验程序、方法有较大改变, 应征得本社同意。若改变涉及或影响到检测、试验的结果时, 本社检验人员将到厂进行检查和见证有关试验, 其结果应能证实仍符合认可条件。

After works approval, if there are any major changes to the inspection and testing instruments or testing procedure, prior consent should be obtained from the survey office of the Society. If the changes involve or affect the results of inspection and testing, the surveyor to the Society will go to the agency to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions.

2. 认可证书获得者应接受本社一次的定期审核, 定期审核日为认可证书的签发日起的第二个周年日, 检查工作可在该日期的前后三个月内进行。

Those who have obtained the certificate of agency approval shall receive periodical audit done by the Society. The date of periodical audit shall be the second anniversary date of the approval certificate since the date of issuance and the periodical audit may be done within a time span of three months before and after the above mentioned date.

3. 在认可证书有效期内, 本社检验人员可在未经事先通知的情况下对机构的检测和试验过程进行审核, 以验证检测和试验过程是否符合认可条件。机构应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the inspection and testing process of the product in order to confirm whether it is in compliance with the approval conditions. The agency should provide an active cooperation and necessary for the surveyor.

4. 认可证书有效期内, 如果出现可能导致本社取消认可的情况, 机构应及时采取有效的纠正措施。

Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the certificate, the agency should take corrective actions in a prompt and effective manner.

责任声明/Statement of Responsibility

本社的认可不影响、替代与本社授权或检验无关的各方对上述工厂的认可和发证, 并且不对与本社授权或检验无关的各方负责, 不承担其未经应允而承认、接受本社认可所导致的法律和经济责任。

The approval of the Society does not affect and replace any approval and certification of the manufacturer by any parties that bear no relation with this Society's authorization or survey and therefore takes no responsibility for these parties. The Society does not undertake any legal and economic liabilities arising from accepting this Society's certificate without prior permission from this Society.

其他/Others

原认可证书编号/FZ15S00001
The original Certificate No. FZ15S00002.

中国船级社福州分社

CCS Fuzhou Branch



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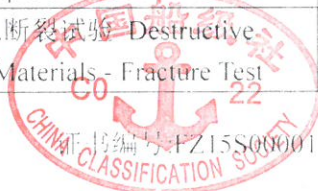
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Note: The certificate is attached with 2 additional page(s)



认可试验范围
ITEMS OF TEST APPROVED

序号 No.	测试项目 Test item	测试标准 Test standard
1	金属物理机械性能 Metal mechanical & physical properties	
(1)	拉伸试验 Tension test	GB/T 228.1-2010
(2)	高温拉伸试验 High temperature tension test	GB/T 4338-2006
(3)	压缩试验 Compression test	GB/T 7314-2005
(4)	弯曲试验 Bending test	GB/T 232-2010
(5)	洛氏/表面洛氏硬度 Rockwell/Superficial Rockwell hardness	GB/T 230.1-2009
(6)	布氏硬度 Brinell hardness	GB/T 231.1-2009
(7)	维氏硬度 Vickers hardness	GB/T 4340.1-2009
(8)	显微硬度 Micro hardness	GB/T 4340.1-2009
(9)	室温冲击 Ambient temperature impact test	GB/T 229-2007
(10)	低温冲击 Low temperature test(0~-60℃)	GB/T 229-2007
(11)	焊接接头拉伸试验方法 Tensile test method on welded joints	GB/T 2651-2008
(12)	焊缝及熔敷金属拉伸试验方法 Tensile test methods on weld and deposited metal	GB/T 2652-2008
(13)	金属材料焊接的破坏试验.横向抗拉试验 Destructive tests on welds in metallic materials - Transverse tensile test	EN ISO 4136:2012
(14)	焊接接头弯曲试验方法 Bend test method on welded joints	GB/T 2653-2008
(15)	金属材料焊接的破坏试验.弯曲试验 Destructive tests on welds in metallic materials - Bend tests	EN ISO 5173:2010
(16)	焊接接头冲击试验方法 Impact test method on welded joints	GB/T 2650-2008
(17)	金属材料焊接的破坏试验.冲击试验 Destructive tests on welds in metallic materials - Impact tests - Test specimen location, notch orientation and examination	EN ISO 9016:2012
(18)	焊接接头硬度试验方法 Hardness test method on welded joints	GB/T 2654-2008
(19)	金属材料焊接的破坏试验.硬度试验.第1部分:电弧焊接的硬度试验 Destructive Tests on Welds in Metallic Materials - Hardness Testing - Part 1: Hardness Test on Arc Welded Joints	EN ISO 9015-1:2011
(20)	金属材料焊接的破坏性试验 焊接头的低倍和显微镜检验 Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds	EN ISO 17639-2013
(21)	金属材料焊接的破坏试验.断裂试验 Destructive Tests on Welds in Metallic Materials - Fracture Test	EN ISO 9017-2013



2	腐蚀试验 Corrosion test		
	(1)	盐雾试验 (中性盐雾) Salt spray test(Neutral salt spray)	GB/T 10125-2012
	(2)	盐雾试验 (酸性盐雾) Salt spray test(Acid salt spray)	GB/T 10125-2012
	(3)	盐雾试验 (铜离子加速) Salt spray test(Copper accelerated acetic))	GB/T 10125-2012
3	化学成分分析 Chemical composition analysis		
	(1)	黑色金属化学分析 (钢铁类及铁合金) Steel & Ferroalloy General element	
		[1] 碳含量 Carbon(%)	GB/T 11170-2008; GB/T 4336-2002
		[2] 硫含量 Sulfur(%)	GB/T 11170-2008; GB/T 4336-2002
		[3] 硅含量 Silicon(%)	GB/T 11170-2008; GB/T 4336-2002
		[4] 磷含量 Phosphorus(%)	GB/T 11170-2008; GB/T 4336-2002
		[5] 锰含量 Manganese(%)	GB/T 11170-2008; GB/T 4336-2002
		[6] 镍含量 Nickel(%)	GB/T 11170-2008; GB/T 4336-2002
		[7] 铬含量 Chromium(%)	GB/T 11170-2008; GB/T 4336-2002
		[8] 钼含量 Molybdenum(%)	GB/T 11170-2008; GB/T 4336-2002
		[9] 铜含量 Copper(%)	GB/T 11170-2008; GB/T 4336-2002
		[10] 钒含量 Vanadium(%)	GB/T 11170-2008; GB/T 4336-2002
		[11] 钛含量 Titanium(%)	GB/T 11170-2008; GB/T 4336-2002
		[12] 铌含量 Niobium(%)	GB/T 11170-2008; GB/T 4336-2002
		[13] 铝含量 Aluminum(%)	GB/T 11170-2008; GB/T 4336-2002
		[14] 硼含量 Boron(%)	GB/T 11170-2008; GB/T 4336-2002
		[15] 钨含量 Tungsten(%)	GB/T 11170-2008; GB/T 4336-2002
		[16] 碳当量 Carbon equivalent	GB/T 11170-2008; GB/T 4336-2002
	(2)	有色金属常规元素 (Nonferrous metal) General Element	
		[1] 铝及铝合金化学成分分析 Chemical analysis for aluminum & aluminum-base alloy	GB/T 7999-2007
		[2] 铜合金化学成分分析 Chemical analysis for copper alloy	YS/T 482-2005
		[3] 锌合金化学成分分析 Chemical analysis for zinc alloy	YS 631-2007
		[4] 钛合金化学成分分析 Chemical analysis for titanium alloy	GB/T 4698.21-1996
4	尺寸测量 Dimensional measurements		
5	金相组织分析 Inspection Method of Microstructure		GB/T 13298-91
6	镀锌量测试 Test method for gravimetric determination of the mass per unit area of galvanized coatings on steel products		GB/T 1839-2008



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中国船级社福州分社

CCS Fuzhou Branch

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