



中国船级社
CHINA CLASSIFICATION SOCIETY
工厂认可证书

证书编号/Certificate No.
ZG21PWA00050

CERTIFICATE OF WORKS APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。

This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

浙江纳宝莱化工科技有限公司
Zhejiang nopalry chemical technology Co., Ltd.

地址/Address

浙江省龙游县湖镇镇新星西路46号
No. 46 Xinxing West Road, Hu Zhen, Longyou County, Zhejiang

产品名称/Product

涂料
Coating
船舶涂料
Marine Coating

附加标志/Notations

无/Nil.

认可标准/Approval Standard

1. 国际控制船舶有害防污底系统公约 (AFS公约)
International Convention on the Control of Harmful Anti-Fouling System on Ships (AFS Convention)
2. 中国船级社《钢质海船入级规范》(2022)及其变更通告第2篇第1章
Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Change Notices
3. 中国船级社《船舶结构防腐蚀检验指南》第3章
Chapter 3 of China Classification Society Guidelines for Survey of Structure Anti Corrosion for Ships
4. GB/T6745-2008《船壳漆》
GB/T6745-2008, Topside Paint
5. GB/T6748-2008《船用防锈漆》
GB/T6748-2008, Anticorrosive Paint for Ship
6. GB/T9261-2008《甲板漆》
GB/T9261-2008, Deck Paint
7. GB/T6822-2014《船体防污防锈漆体系》
GB/T6822-2014, Anticorrosive and Antifouling Paints System for Ship Hull

证书有效期至/This Certificate is valid until

2025年11月14日/Nov. 14, 2025

发证机构 中国船级社浙江分社
Issued by CCS Zhejiang Branch

签发日期 2022年07月11日
Date Jul. 11, 2022

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效。本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可向本社检验机构咨询。
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, 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. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices.

Form No: W01.

联系方式/Contact Us: 见本社官方网站/See official web site of the Society (<http://www.ccs.org.cn>)



UTN:P022-83320364



用于/Intended for

船舶与海上设施/Ships and Offshore Installations

产品明细/Product Description

船舶涂料/Marine Coating (M0001)

名称/Name	属性(值)/Value	单位/Unit
产品名称/Product Name	见附页 See additional page(s)	

批准的图纸/Approved Drawings

图纸批准号/Drawings Approval No.: ZG19PWA00064

产品认可试验报告/Approval Test Report

试验报告编号/Test Report No.: JX21063、JX21064、JX21065、JX21066、JX21067

试验报告日期/Test Report Date: 2021-04-06

试验报告编号/Test Report No.: JX21188

试验报告日期/Test Report Date: 2021-08-25

试验报告编号/Test Report No.: JX21182、JX21183、JX21184

试验报告日期/Test Report Date: 2021-08-24

试验报告编号/Test Report No.: JX21206、JX21207

试验报告日期/Test Report Date: 2021-09-15

试验报告编号/Test Report No.: JX21119

试验报告日期/Test Report Date: 2021-06-15

试验报告编号/Test Report No.: JX21103

试验报告日期/Test Report Date: 2021-05-11

试验报告编号/Test Report No.: JX227015

试验报告日期/Test Report Date: 2022-06-10

认可后的产品检验方式/Method of Product Inspection after Approval

按规范只认可不进行产品检验的产品/The product approved only in term of the rules:

认可后的产品检验由制造厂按本社批准的产品检验计划进行检验。经检验合格后由制造厂签发合格证明,并连同该产品的本社认可证书复印件一并交付用户,制造厂对产品符合公约、法规、本社规范和本社认可的标准规定负责。After approval, product inspection should be carried out by the Manufacturer in accordance with the product inspection scheme approved by the Society. Upon satisfactory inspection, and the Quality Certificate issued by the Manufacturer should be provided to the purchaser together with the copy of the approval certificate issued by the Society. The manufacturer should take responsibility for the product being in compliance with the convention, statutory regulation, the Society rules and the standard accepted by the Society.

认可保持条件/Maintenance Requirements of Approval

1. 工厂认可后,如果图纸、技术文件、工艺规程有较大改变,应征得本社同意。若改变涉及或影响到产品的设计、主要制造材料、关键工艺或产品的特性、特征,则与特性有关的图纸和技术文件应经过本社审批,并在检验机构认为必要时,经本社检验人员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 drawings, technical documents, specifications, prior consent should be obtained from the survey office of the Society. If the changes involve or affect product design, major construction materials, key workmanship or product characteristics and properties, drawings and technical documents related to properties are to be examined and approved by the Society and, where deemed necessary by the survey office, the surveyor to the Society will go to the manufacturer to inspect or witness relevant tests and the results of the tests should be able to demonstrate compliance with the approval conditions

2. 工厂的质量管理体系应保持有效运行,并且与认可时一致。如果质量管理体系发生改变,应经原体系认证机构审核并报本社批准。

The quality management system of the factory shall be ensure effective operation, and shall be the same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.

3. 工厂认可证书获得者应接受本社每年一次的定期审核, 定期审核日为认可证书期满之日对应的每一周年日, 检查工作应在定期审核日的前后三个月内进行。Those who have obtained the certificate of works approval shall receive periodical audit done by the Society on an annual basis. The date of periodical audit shall be each anniversary date which corresponds to the date of expiry of the relevant certificate and the periodical audit shall be done within a time span of three months before and after the annual surveillance date.

4. 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工厂的产品制造过程进行审核, 以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。

Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

5. 认可证书有效期内, 如果出现可能导致本社暂停或撤销认可的情况, 工厂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 suspend or withdraw the certificate, the manufacturer should take corrective actions in a prompt and effective manner.

备注/Remarks

本证书由原工厂认可证书 (No. ZG19PWA00064) 变更并替代原证书。

This Certificate is modified from and supersedes the previous Works Approval Certificate No. ZG19PWA00064.

1. 产品涂装作业应按照油漆制造商的产品说明书进行。

The product application shall be carried out in compliance with the product Instruction of the manufacturer.

2. 含铝涂料不能用于货油舱、货油舱甲板、泵舱、隔离舱或其他任何油气可能积聚的处所, 铝含量以重量计低于10%的涂层除外。

2. The coating containing aluminium is not to be used in cargo tanks, cargo tank decks, pump rooms, cofferdams or in positions where cargo vapours may accumulate, except the content of aluminium in weight is less than 10%.

3. 本社已审核了产品厂无石棉声明, 但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。

3. The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society.

However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted

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注: 本证书含有附页, 共4页

Note: The certificate is attached with additional 4 page(s)

产品明细/ Product Description

序号 No.	型号 MODEL	产品名称 PRODUCT NAME	认可标准 Approval Standard	用途 Intended Use
2	NBL616	氯化橡胶铁红厚浆型防锈漆 Colourful alkyd anticorrosive paint	1. 中国船级社《钢质海船入级规范》(2022) 及其变更通告第2篇第1章 Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Amendments 2. 中国船级社《船舶结构防腐蚀检验指南》第3章 Chapter 3 of CCS Guidelines for Anticorrosion Inspection of Hull Structure	船用防锈漆 Anticorrosive paint for ship 适用于船舶船体水线以上部位及内部结构(液舱除外) 用防锈漆。 Applicable to anticorrosive paint for places above designed waterline of ship hull and internal structure (excluding liquid tanks)
		铝粉氯化橡胶防锈漆 Aluminium powder chlorinated rubber primer		
	NBL706	防锈漆 Anticorrosive paint for ship	3. GB/T 6748-2008《船用防锈漆》 GB/T 6748-2008 Anticorrosive paint for ship	
4	H43-31	各色环氧面漆 Various color epoxy anticorrosive top-coat	1. 中国船级社《钢质海船入级规范》(2022) 及其变更通告第2篇第1章 Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Amendments 2. 中国船级社《船舶结构防腐蚀检验指南》第3章 Chapter 3 of CCS Guidelines for Anticorrosion Inspection of Hull	甲板漆 Deck paint 适用于船舶甲板、码头及其它海洋设施的钢铁表面用漆。 Applicable to paint for steel surface of ship decks, piers and other offshore installations

			Structure 3.GB/T 9261-2008 《甲板漆》 GB/T 9261-2008 Deck paint	
5	C43-31	各色醇酸船壳漆 Colourful alkyd topside paint	1. 中国船级社《钢质海船入级规范》(2022)及其变更通告第2篇第1章 Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Amendments 2. 中国船级社《船舶结构防腐蚀检验指南》第3章 Chapter 3 of CCS Guidelines for Anticorrosion Inspection of Hull Structure 3. GB/T 6745-2008 《船壳漆》 GB/T 6745-2008 Topside paint	船壳漆 Topside paint 适用于涂敷在船舶满载水线以上的建筑物外部的涂料, 亦可用于桅杆和起重机械用涂料。 Applicable to coating for exterior surface of building above the ship full load waterline, as well as for masts and cranes
6	S43-31	各色脂肪族聚氨酯可复涂面漆 Various aliphatic polyurethanes can be coated with finish paint		
7	H43-31	各色环氧面漆 Various color epoxy anticorrosive top-coat		
8	NBL615-2	铝粉氯化橡胶防锈漆 Aluminium powder chlorinated rubber primer	1. 中国船级社《钢质海船入级规范》(2022)及其变更通告第2篇第1章 Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Amendments 2. 中国船级社《船舶结构防腐蚀检验指南》第3章 Chapter 3 of CCS Guidelines for	船体防锈漆 Anticorrosive paint for ship hull 适用于钢质船体材料的船舶设计水线以下和水线部位的防锈漆 Applicable to anticorrosive paint of steel hull for places under ship's designed waterline and waterline





9	H53-36	环氧多用途漆 Epoxy multipurpose paint	Anticorrosion Inspection of Hull Structure 3. IMO《2001 年国际控制船舶有害防污底系统公约》(AFS 公约) IMO International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS Convention) 4. GB/T 6822-2014《船体防污防锈漆体系》 GB/T 6822-2014 Antifouling and anticorrosive paints systems for ship hull 1. 中国船级社《钢质海船入级规范》(2022) 及其变更通告第 2 篇 第 1 章 Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Amendments 2. 中国船级社《船舶结构防腐蚀检验指南》第 3 章 Chapter 3 of CCS Guidelines for Anticorrosion Inspection of Hull Structure 3. IMO《2001 年国际控制船舶有害防污底系统公约》(AFS 公约) IMO International Convention on the Control of Harmful Anti-fouling Systems on Ships, 2001 (AFS Convention) 4. GB/T 6822-2014《船体防污防锈漆体系》 GB/T 6822-2014 Antifouling and anticorrosive paints systems for ship hull	船体防污漆 Antifouling paint for ship hull 适用于各类船体材料的船舶设计水线以下和水线部位的防污漆,用于船舶和海洋设施控制或防止污损生物附着的涂料。 Applicable to antifouling paint for places under ship's designed waterline and waterline of various hull materials, used for coating of control or protection the fouling organisms adhering on ships and offshore installations (见备注 1/ see remarks 1)
10	NBL839	长效厚浆防污漆 Long acting thick paste antifouling paint		



No. 22512536

11	H53-45	改性环氧中间漆 Modified intermediate paint	epoxy	1. 中国船级社《钢质海船入级规范》（2022）及其变更通告第2篇 第1章 Chapter 1, Part Two of China Classification Society Rules for Classification of Sea-going Steel Ships 2022 and its Amendments 2. 中国船级社《船舶结构防腐蚀检验指南》第3章 Chapter 3 of CCS Guidelines for Anticorrosion Inspection of Hull Structure 3. GB/T 6822-2014《船体防污防 锈漆体系》 GB/T 6822-2014 Antifouling and anticorrosive paints systems for ship hull	连接漆 Tie coat 适用于连接船体防锈漆和船体防污漆的涂料。 Applicable to connect anticorrosive paint for ship hull and antifouling paint for ship hull
完/End					

备注 1/Remarks 1:

防污涂料中主要杀生物剂活性成分（防污剂）/ Mostly active ingredient of biocide in antifouling coating(antifouling compounds) :

序号 No.	型号 Model	名称 Description	使用期效 Effective life	主要杀生物剂活性成分 (防污剂) 及其 CAS 号 Mostly active ingredient of biocide (Antifouling compounds) and their CAS No.
1	NBL839	长效厚浆防污漆 Long acting thick paste antifouling paint	短期效（3年以下使用期） Short term effect (less than 3 years)	氧化亚铜/Cu ₂ O: 1317 - 39 - 1。 代森锌/Zineb: 12122-67-7

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