



中国认可
国际互认
检测
TESTING
CNAS L4647



检 验 报 告

TEST REPORT

No: 2023GTG0303

产品名称 排水工程用球墨铸铁管

Product Name Ductile Iron Pipe For Sewerage Applications

受检单位 国铭铸管股份有限公司

Inspected Body Guoming Ductile Iron Pipes Co.,Ltd

检验类别 委托检验

Kind of Test Entrusted Inspection

马 鞍 山 市 产 品 质 量 监 督 检 验 所

Ma'anshan Institute of Product Quality Supervision & Inspection

国家钢铁及制品质量检验检测中心

National Center for Quality Inspection and Test of Iron Steel & Products

马鞍山市产品质量监督检验所
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| 产品名称 Product Name | 排水工程用球墨铸铁管 Ductile Iron Pipe For Sewerage Applications | 商标 Brand | 济钢铸管 | 规格型号 Specifications | DN300 C30 |
| 生产日期/批号 Production Date/Batch Number | 01-21-30 | | | | |
| 受检单位名称 及联系电话 Inspected Unit &Contact Phone Number | 国铭铸管股份有限公司 Guoming Ductile Iron Pipes Co.,Ltd | | | | |
| 生产单位名称 及联系电话 Production Unit &Contact Phone Number | 国铭铸管股份有限公司 Guoming Ductile Iron Pipes Co.,Ltd | | | | |
| 任务来源 Task Source | 国铭铸管股份有限公司委托 Entrusted by Guoming Ductile Iron Pipes Co.,Ltd | | | | |
| 检验日期 Inspection Date | 2023-02-14~2023-02-23 | | | 检验项数 Test Items Number | 共 15 项 15 items |
| 抽/送样日期 Sampling / Sending Sample Date | 2023-02-14 | 抽样人员 Sampling People | / | 样品到达日期 Sample Arrival Date | 2023-02-14 |
| 样品数量 Sample Quantity | 1 根 1 pipe | 抽样基数 Sampling Base | / | 检查样品人员 Sample Checker | 陶义峰 Tao Yifeng |
| 样品等级 Sample Grade | / | 抽样/委托单 编号 Sampling/Ordering Number | 2023GTG0303 | 样品状态 Sample State | 原管完好 The Pipe in Good Condition |
| 检验依据 Test Basis | GB/T 26081-2022 及 (and) GB/T 9441-2021 | | | | |
| 判定依据 Judgement Basis | GB/T 26081-2022 | | | | |
| 检验结论 Test Conclusion | 经检验, 该样品所检项目符合 GB/T 26081-2022 标准要求。 Upon testing, the items measured in this sample meet the requirements of GB/T 26081-2022 standard. 签发日期: 2023 年 2 月 28 日 Date of Issue | | | | |
| 备注 Note | 1、标准长度: 6000mm; DE、插口椭圆度、内径椭圆度、直度、内衬厚度、终饰层厚度、壁厚、水压试验及表面质量项目为现场检测项目; 现场检测地点: 国铭铸管股份有限公司; 1.Standard length of this sample:6000mm; The items of DE, ovality of pipe end, ovality of inner diameter, straightness of pipe, thickness of cement mortar lining, thickness of the finishing layer, wall thickness, hydrostatic pressure test and surface condition were on-site inspection items. On-site inspection location: Guoming Ductile Iron Pipes Co.,Ltd; 2、金相检验项目无技术要求, 不做判定; 2.There was no technical requirement for metallographic test item, so no conclusion was made in this test report; 3、铝酸盐水泥砂浆内衬中 Al ₂ O ₃ 含量项目按 GB/T 26081-2022 标准 G.1 检测; 3.Al ₂ O ₃ content in aluminate cement mortar lining item was tested according to GB/T 26081-2022 standard G.1; 4、样品信息由委托人提供, 委托人对样品信息的真实性负责。 4.Sample related information was provided by the client, the client shall be responsible for the authenticity of the sample information. | | | | |

批准:
Approved By

审核:
Checked By

主检:
Tested By



| 序号 Number | 检验项目 Test Items | | 单位 Unit | 技术要求 Technical Requirements | 检验结果 Test Results | 单项 判定 Item Conclusion |
|--------------|--------------------------------------------------------|------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------|
| 1 | DE Spigot External Diameter | | mm | 326 ⁺¹ | 326.5 | 合格 Qualified |
| 2 | 插口椭圆度 Spigot Ovality | | % | ≤1 | 0.28 | 合格 Qualified |
| 3 | 内径 Inner Diameter | | mm | 300 ₋₁₀ | 303 | 合格 Qualified |
| 4 | 长度 Length | | mm | 5970~6070 | 6004 | 合格 Qualified |
| 5 | 直线度 Straightness of Pipe | | mm | ≤7.5 | 目测合格 Visual Inspection Qualified | 合格 Qualified |
| 6 | 内衬厚度 Thickness of Cement Mortar Lining | | mm | ≥2.5 | 4.0~6.4 | 合格 Qualified |
| 7 | 终饰层 厚度 Thickness of the Finishing Layer | 平均厚度 Mean Thickness | μm | ≥70~250 | 129 | 合格 Qualified |
| | | 局部厚度最小值 Local Minimum Thickness | μm | ≥50 | 90 | 合格 Qualified |
| 8 | 壁厚 Wall Thickness | | mm | ≥3.5 | 4.7~5.1 | 合格 Qualified |
| 9 | 锌层重量 Zinc Mass | | g/m ² | ≥200 | 221 | 合格 Qualified |
| 10 | 表面质量 Surface Condition | | / | GB/T 26081-2022 第 4.1.2.1 条 Section 4.1.2.1 of GB/T 26081-2022 | 符合要求 Meet the Requirements | 合格 Qualified |
| 11 | 水压试验 Hydrostatic Pressure Test | | / | 在不低于 3.0MPa 试验压力下保压至少 10s, 压力周期持续时间不应少于 15s, 目测应无可见渗漏。 Under the test pressure of no less than 3.0MPa, the pressure shall be maintained for at least 10s, the duration of pressure cycle shall be no less than 15s, and there shall be no leakage by visual inspection. | 符合要求 Meet the Requirements | 合格 Qualified |



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| 序号 Number | 检验项目 Test Items | | 单位 Unit | 技术要求 Technical Requirements | 检验结果 Test Results | 单项 判定 Item Conclusion |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------|-----------------------------------|-------------------------------------------------------|--------------------------------|
| 12 | 铝酸盐水泥砂浆内衬中 Al ₂ O ₃ 含量 Al ₂ O ₃ Content in Aluminate Cement Mortar Lining | | % | ≥40 | 42.81 | 合格 Qualified |
| 13 | 拉伸试验 Tensile Testing | 抗拉强度 R _m Tensile Strength, R _m | MPa | ≥420 | 453 | 合格 Qualified |
| | | 断后伸长率 A Elongation After Fracture, A | % | ≥10 | 15.0 | 合格 Qualified |
| | | 规定塑性延伸强度 R _{p0.2} 0.2% Proof Stress, R _{p0.2} | MPa | ≥270 | 282 | 合格 Qualified |
| 14 | 布氏硬度 Brinell Hardness | | / | ≤230HBW2.5/187.5 | 170HBW2.5/187.5 170HBW2.5/187.5 172HBW2.5/187.5 | 合格 Qualified |
| 15 | 金相检验 Metallographic Test | 球化等级 Spheroidization Level | / | / | 1 级 Level 1 | / |
| | | 石墨颗粒大小 Graphite Size | / | / | 8 级 Level 8 | / |
| | | 珠光体含量 Pearlite Content | / | / | 珠 5 Pearlite 5 | / |
| 以下空白 The Following Blank | | | | | | |



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1. 报告无“检验检测专用章”或单位公章无效。
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