



中国认可
国际互认
检测
TESTING
CNAS L4647



检 验 报 告

TEST REPORT

No: 2023GTG0316

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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国家钢铁及制品质量检验检测中心
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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	DN1600 C25
生产日期/批号 Production Date/Batch Number	01-38-14				
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	2023GTG0316	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 03 日 Date of Issue				
备注 Note	1、标准长度: 6000mm; DE、插口椭圆度、内径、壁厚、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 the end, inner diameter, length, 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	1668 ⁺¹	1665.2	合格 Qualified
2	插口椭圆度 Spigot Ovality		%	≤2	0.18	合格 Qualified
3	内径 Inner Diameter		mm	1600 ⁻¹⁶	1607	合格 Qualified
4	长度 Length		mm	5970~6070	6005	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	≥6.0	8.2~11.5	合格 Qualified
7	终饰层 厚度 Thickness of the Finishing Layer	平均厚度 Mean Thickness	μm	70~250	127	合格 Qualified
		局部厚度最小值 Local Minimum Thickness	μm	≥50	93	合格 Qualified
8	壁厚 Wall Thickness		mm	≥14.8	15.7~16.1	合格 Qualified
9	锌层重量 Zinc Mass		g/m ²	≥200	207	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 2.5MPa 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 2.5MPa, 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



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	42.40	合格 Qualified
13	拉伸试验 Tensile Testing	抗拉强度 R _m Tensile Strength, R _m	MPa	≥420	480	合格 Qualified
		断后伸长率 A Elongation After Fracture, A	%	≥7	16.5	合格 Qualified
		规定塑性延伸强度 R _{p0.2} 0.2% Proof Stress, R _{p0.2}	MPa	≥270	306	合格 Qualified
14	布氏硬度 Brinell Hardness		/	≤230HBW2.5/187.5	181HBW2.5/187.5 181HBW2.5/187.5 179HBW2.5/187.5	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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