

# 检 验 报 告

## Inspection Report

报告编号: ZY-2024-04-075

样品名称: 钢管

委托单位: ZZGL-PIPE 河北中燃管道有限公司

检验类别: 委托

盐山县中原金属材料与防腐检测有限公司

Yanshan Zhongyuan Metal Materials & Coating

Inspection Co., Ltd.

## 检 验 报 告

## Inspection Report

|                               |                                                                                                                                                                                                                   |                             |                     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|
| 样品名称<br>Sample name           | 钢管<br>Pipe                                                                                                                                                                                                        | 检验类别<br>Inspection type     | 委托<br>Client        |
| 委托单位<br>Client                | ZZGL-PIPE CO., LTD.<br>ZZGL-PIPE 河北中燃管道有限公司                                                                                                                                                                       |                             |                     |
| 规格<br>Spectifeation           | Φ610×32                                                                                                                                                                                                           | 样品状态<br>Sample condition    | 完好<br>Intact        |
| 材质<br>Steel grade             | API 5L PSL2 X52                                                                                                                                                                                                   | 委托单号<br>Consigned paper No. | 2024-04-075         |
| 炉号<br>Heat No.                | 007108                                                                                                                                                                                                            | 样品数量<br>Sample Qty.         | 1 件<br>1Piece       |
| 送样日期<br>Delivery date         | 2024-04-28                                                                                                                                                                                                        | 送样人<br>Delivering person    | 孟庆军<br>Qingjun Meng |
| 收样日期<br>Receiving date        | 2024-04-28                                                                                                                                                                                                        | 收样人<br>Receiving person     | 孙云超<br>Yunchao Sun  |
| 检验日期<br>Inspection date       | 2024-04-29                                                                                                                                                                                                        | 发送日期<br>Sending date        | 2024-04-29          |
| 使用设备<br>Adoption<br>Equipment | ZY-002 分光光度计 Direct-reading spectrometer<br>ZY-086 微机控制电子万能试验机<br>Electronic universal testing machine<br>ZY-002 摆锤冲击试验机 Pendulum Impact Testing Machine<br>ZY-003 冲击试验低温仪 Low Temperature Device for Impact Test |                             |                     |
| 检验标准<br>Inspection standard   | GB/T4336-2016 GB/T222 2021 GB/T229-2020                                                                                                                                                                           |                             |                     |
| 检验结果<br>Inspection result     | 见报告页第 4 页 See report page 4                                                                                                                                                                                       |                             |                     |
| 备注<br>Remark                  | 中文版和英文版有差异的话以中文版为准<br>In case of discrepancies between English version and Chinese version, the<br>chinese version will prevail.                                                                                  |                             |                     |

批准 Approved by 王博

审核 Checked by 孙云超

编制 Prepared by 叶明

☒ 技术负责人 Technical responsible person☐ 主任 Chief

## 1 化学分析 Chemical Analysis

w. t. %

| 本室编号<br>Lab. No. | C    | Mn    | Si    | P      | S     | Mo     | Ni   |
|------------------|------|-------|-------|--------|-------|--------|------|
| 4-093            | 0.12 | 1.40  | 0.35  | 0.013  | 0.002 | 0.095  | 0.25 |
| 本室编号<br>Lab. No. | Cr   | Cu    | V     | Nb     | Ti    | B      | /    |
| 4-093            | 0.27 | 0.048 | 0.004 | <0.001 | 0.006 | 0.0006 | /    |

## 2 拉伸试验 Tensile test

| 本室编号<br>Lab. No. | 取样方向<br>Sampling<br>direction | 试样尺寸<br>Sample size        | 屈服强度<br>Yield Strength<br>R <sub>t0.5</sub> (MPa) | 抗拉强度<br>Tensile Strength<br>R <sub>m</sub> (MPa) | 伸长率<br>Elongation<br>A <sub>50mm</sub> % |
|------------------|-------------------------------|----------------------------|---------------------------------------------------|--------------------------------------------------|------------------------------------------|
| 4-093            | 纵向<br>Longitudinal            | 棒状<br>Rod-shaped<br>Φ 12.5 | 496                                               | 601                                              | 28.5                                     |

## 3 冲击试验 Impact test

| 本室编号<br>Lab. No. | 取样位置<br>Sampling<br>direction | 试样尺寸<br>Sample size<br>(mm) | 吸收能量<br>Absorbed Energy KV8 |     |     |              | 温度<br>Temperature<br>℃ |
|------------------|-------------------------------|-----------------------------|-----------------------------|-----|-----|--------------|------------------------|
|                  |                               |                             | 1                           | 2   | 3   | 平均<br>Averag |                        |
| 4-093            | 横向<br>Transverse              | 10×10×55                    | 230                         | 252 | 230 | 237          | 0                      |

— 报告结束 —

End of report