

|                               |                   |                        |                |                         |                       |
|-------------------------------|-------------------|------------------------|----------------|-------------------------|-----------------------|
| 订货单位<br>Purchaser             |                   | 订货单位代码<br>Customer No. | 018882         | 记录号<br>Record No.       | DLZJC-03-0            |
| 合同号<br>Contract No.           | C23AA0026D        | 品名<br>Name             | 合金结构钢          | 证明书号<br>Certificate No. | W2312-0951594         |
| 生产号<br>Production No.         | C23AA0026DQ007    | 形状<br>Shape            | 圆钢(小棒)         | 入库票号<br>Into Depot No.  | E51173880             |
| 牌号<br>Steel Grade             | SCM440            | 图纸号<br>Drawing No.     |                | 重量(T)<br>Weight         | 9.172吨                |
| 技术条件<br>Specification         | QJ/DTC2.0326-2023 | 冶炼方法<br>Melting Method | 按标准            | 规格(mm)<br>Size          | φ45                   |
| 加工用途<br>Designated Further    | 热压力加工             | 炉号<br>Heat No.         | 2310510633     | 长度(mm)<br>Length        | fixed length:<br>6000 |
| 交货状态<br>Condition of Delivery | 热轧                | 许可证号<br>License No.    |                | 件/盘数<br>Bundle Number   | 4                     |
| 热处理号<br>Heat Treatment No     |                   | 签发日期<br>Date of Issue  | 20231218095709 | 支数<br>Piece Number      | 121                   |

一、化学成分(%) Chemical Composition (%)

|         |    |      |    |      |    |      |   |       |   |       |    |      |    |      |    |      |
|---------|----|------|----|------|----|------|---|-------|---|-------|----|------|----|------|----|------|
| 1. 熔炼成分 | C  | 0.42 | Si | 0.27 | Mn | 0.78 | P | 0.022 | S | 0.003 | Cr | 0.95 | Ni | 0.04 | Cu | 0.03 |
|         | Mo | 0.16 |    |      |    |      |   |       |   |       |    |      |    |      |    |      |

二、力学性能 Mechanical Property

|                                       |  |  |      |      |     |
|---------------------------------------|--|--|------|------|-----|
| 1. 拉伸 Ult-Tensile-Strength            |  |  | 995  | 1018 |     |
| 屈服强度1(N/mm2) Yield Strength(N/mm2)    |  |  | 1150 | 1165 |     |
| 抗拉强度(N/mm2) Tensile Strength(N/mm2)   |  |  | 14.0 | 14.0 |     |
| 断后伸长率(%) Elongation(%)                |  |  | 64   | 86   |     |
| 断面收缩率(%) Reduction of Area(%)         |  |  |      |      |     |
| 2. 冲击 Impace                          |  |  | 87   | 91   |     |
| 冲击吸收功1-1(J) Impact Absorbed Energy(J) |  |  |      |      |     |
| 3. 硬度 Heading                         |  |  | 300  | 313  | 305 |
| 交货状态硬度(HB) Hardness                   |  |  |      |      |     |

三、微观检验 Microstructure Examination

|                                   |  |  |     |     |
|-----------------------------------|--|--|-----|-----|
| 1. 非金属夹杂物 Non-metallic Inclusions |  |  | 0.5 | 0.5 |
| A粗(级) A(Thick) (Grade)            |  |  | 1.0 | 1.0 |
| A细(级) A(Thin) (Grade)             |  |  | 0.5 | 0.5 |
| B粗(级) B(Thick) (Grade)            |  |  | 1.0 | 1.0 |
| B细(级) B(Thin) (Grade)             |  |  | 0.0 | 0.0 |
| C粗(级) C(Thick) (Grade)            |  |  | 0.0 | 0.0 |
| C细(级) C(Thin) (Grade)             |  |  | 0.5 | 0.5 |
| D粗(级) D(Thick) (Grade)            |  |  | 0.5 | 0.5 |
| D细(级) D(Thin) (Grade)             |  |  |     |     |

四、宏观检验 Macrostructure Examination

|                      |  |  |     |     |
|----------------------|--|--|-----|-----|
| 1. 低倍 Macrostructure |  |  | 1.0 | 1.0 |
| S(级) S(Grade)        |  |  | 1.0 | 1.0 |
| R(级) R(Grade)        |  |  | 1.0 | 1.0 |
| C(级) C(Grade)        |  |  |     |     |

|                  |  |  |
|------------------|--|--|
| 备注:<br>Note      | 表面质量:合格 尺寸外形:合格 探伤:合格  |  |
| 声明:<br>Statement | 经检验与试验,本产品符合合同及标准之规定<br>Through inspection and testing, the quality of product conforms to the stipulations of the related contract and standards. | 质量判定人:<br>Quality Judge: 邱飞玉<br>质量负责人:<br>Quality Manager: 李红明 |

