

# 危险性较大设备检测检验项目明细表

单位名称：巴彦淖尔西部铜业有限公司

| 检测项目      | 检测数量 | 报告编号                | 设备型号    | 检测（使用）地点   | 检测日期       | 有效期至       | 检测结果 |
|-----------|------|---------------------|---------|------------|------------|------------|------|
| 钢丝绳（无损定量） | 1    | 安德 GSWS26/D-0128095 | 34×7+NF | 3#副井（1#尾绳） | 2026.01.28 | 2027.01.27 | 合格   |
| 钢丝绳（无损定量） | 1    | 安德 GSWS26/D-0128096 | 34×7+NF | 3#副井（2#尾绳） | 2026.01.28 | 2027.01.27 | 合格   |
| 钢丝绳（无损定量） | 1    | 安德 GSWS26/D-0128097 | 34×7+NF | 3#副井（3#尾绳） | 2026.01.28 | 2027.01.27 | 合格   |



赤峰安德检测检验有限公司

注：1. 此表呈报应急管理局，请勿遗失。  
2. 此表复印无效。



# 检测检验报告

委托单位: 巴彦淖尔西部铜业有限公司  
受检单位: 巴彦淖尔西部铜业有限公司  
检测检验类别: 定期检测检验  
检测检验日期: 2026 年 01 月 28 日

赤峰安德检测检验有限公司



2014年11月





## 检测设备目录表

| 序号 | 设备名称      | 设备型号    | 报告编号                |
|----|-----------|---------|---------------------|
| 1  | 钢丝绳（无损定量） | 34×7+NF | 安德 GSWS26/D-0128095 |
| 2  | 钢丝绳（无损定量） | 34×7+NF | 安德 GSWS26/D-0128096 |
| 3  | 钢丝绳（无损定量） | 34×7+NF | 安德 GSWS26/D-0128097 |
| 合计 | 共计 3 检测报告 |         |                     |





蒙 应急 21 02

报告编号：安德 GSWS26/D-0128095

# 钢丝绳（缆）在线无损定量 检测报告

|         |                  |
|---------|------------------|
| 委托单位：   | 巴彦淖尔西部铜业有限公司     |
| 受检单位：   | 巴彦淖尔西部铜业有限公司     |
| 被检对象名称： | 钢丝绳（无损定量）        |
| 型号规格：   | 34×7+NF          |
| 检测检验类别： | 定期检测检验           |
| 检测检验日期： | 2026 年 01 月 28 日 |

赤峰安德检测检验有限公司



# 声 明



- 1、报告中检测检验数据仅对当时设备或来样负责。
- 2、报告中无主检、审核、批准人签字无效。
- 3、报告封面、首页、骑缝未盖“赤峰安德检测检验有限公司检测检验专用章”无效。
- 4、复制报告，封面、首页、骑缝未重新盖“赤峰安德检测检验有限公司检测检验专用章”无效。
- 5、报告涂改无效。
- 6、若对报告有异议，应于收到报告之日起十五日内向检测检验机构提出，逾期视为认可。

检测检验机构名称：赤峰安德检测检验有限公司

检测检验机构地址：内蒙古自治区赤峰市松山区北辰综合批发市场 A 区  
5#楼 9 层

邮政编码：024000

电话：0476-5670939

传真：0476-5670939



## 钢丝绳（缆）在线无损定量检测报告

报告编号：安德 GSWS26/D-0128095

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|         |    |                                                                                                       |        |            |
|---------|----|-------------------------------------------------------------------------------------------------------|--------|------------|
| 委托单位    | 名称 | 巴彦淖尔西部铜业有限公司                                                                                          |        |            |
|         | 地址 | 内蒙古自治区巴彦淖尔市乌拉特后旗获各琦苏木                                                                                 |        |            |
| 规格型号    |    | 34×7+NF                                                                                               | 公称直径   | 47mm       |
| 提升用途    |    | 尾绳                                                                                                    | 捻向     | 右交互捻       |
| 生产厂家    |    | 宁夏恒力钢丝绳股份有限公司                                                                                         |        |            |
| 检测检验地点  |    | 3#副井（1#尾绳）                                                                                            |        |            |
| 钢丝绳状态   |    | 在用                                                                                                    | 检测检验日期 | 2026-01-28 |
| 检测检验类别  |    | 定期检测检验                                                                                                | 检测检验周期 | 壹年         |
| 受检单位    |    | 巴彦淖尔西部铜业有限公司                                                                                          |        |            |
| 检测检验项目  |    | 钢丝绳（缆）在线无损定量检测                                                                                        |        |            |
| 检测检验依据  |    | MT/T970-2005《钢丝绳（缆）在线无损定量检测方法和判定规则》                                                                   |        |            |
| 存在问题及建议 |    | /                                                                                                     |        |            |
| 检测检验结论  |    | <p>依据 MT/T970-2005《钢丝绳（缆）在线无损定量检测方法和判定规则》对该钢丝绳进行了检测检验。</p> <p>综合判定：合格</p> <p>签发日期：2026 年 1 月 30 日</p> |        |            |
| 检测检验组成员 |    | 刘喜全 肖文轩 雷宇昕 杨艳柱                                                                                       |        |            |
| 备注      |    | /                                                                                                     |        |            |

批准：

审核：

主检：

日期：2026.1.30

日期：2026.1.30

日期：2026.1.30

钢丝绳（缆）在线无损定量检测报告

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检测检验用仪器设备一览表

| 名称     | 设备唯一性编号 | 准确度                                                  | 检定/校准证书编号       |
|--------|---------|------------------------------------------------------|-----------------|
| 温湿度表   | CSB-206 | 精度（25℃）<br>温度：±0.3℃（Max±0.5℃）<br>湿度：±2%RH（Max±5%RH）  | ZS202601140027  |
| 钢丝绳探伤仪 | CSB-392 | 局部缺陷的定性检测准确率：98%<br>断丝定性检测准确率：100%<br>断丝定量检测准确率：≥98% | CD620-250869870 |

检测检验环境数据

|           |      |
|-----------|------|
| 环境温度（℃）   | 5.9  |
| 环境湿度（%RH） | 51.7 |





## 钢丝绳（缆）在线无损定量检测报告

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## 罐笼金属横截面积损失（LMA）

|    |         |         |      |
|----|---------|---------|------|
| 1  | 0.000   | 1.100   | 2.80 |
| 2  | 6.112   | 11.725  | 2.96 |
| 3  | 15.555  | 22.698  | 2.81 |
| 4  | 39.506  | 47.780  | 2.87 |
| 5  | 52.916  | 62.552  | 2.77 |
| 6  | 65.199  | 66.540  | 2.22 |
| 7  | 72.408  | 72.418  | 2.79 |
| 8  | 72.465  | 72.678  | 2.92 |
| 9  | 75.866  | 75.941  | 2.77 |
| 10 | 92.768  | 93.308  | 2.83 |
| 11 | 101.642 | 102.006 | 3.19 |
| 12 | 112.425 | 112.616 | 2.76 |
| 13 | 122.338 | 122.385 | 2.81 |
| 14 | 122.400 | 122.432 | 2.77 |
| 15 | 122.479 | 122.513 | 2.81 |
| 16 | 131.673 | 131.698 | 2.81 |
| 17 | 133.745 | 137.009 | 2.76 |
| 18 | 142.145 | 146.125 | 3.01 |
| 19 | 155.225 | 155.695 | 3.25 |
| 20 | 157.666 | 158.006 | 3.22 |
| 21 | 159.425 | 160.030 | 2.85 |
| 22 | 161.330 | 162.385 | 2.78 |
| 23 | 163.402 | 163.432 | 2.76 |
| 24 | 165.479 | 165.513 | 2.77 |
| 25 | 170.673 | 173.698 | 2.82 |
| 26 | 174.258 | 175.888 | 2.83 |
| 27 | 177.058 | 178.229 | 2.81 |
| 28 | 179.243 | 179.293 | 2.81 |
| 29 | 181.002 | 181.258 | 2.83 |
| 30 | 182.420 | 182.616 | 3.11 |
| 31 | 183.338 | 183.385 | 2.82 |
| 32 | 191.400 | 191.432 | 2.88 |
| 34 | 192.479 | 193.513 | 3.25 |
| 35 | 194.673 | 195.698 | 2.89 |
| 36 | 196.745 | 199.156 | 2.82 |
| 37 | 202.145 | 203.229 | 3.16 |
| 38 | 206.245 | 218.293 | 3.11 |
| 39 | 239.127 | 248.146 | 2.77 |
| 40 | 250.629 | 260.771 | 2.94 |

## 钢丝绳（缆）在线无损定量检测报告

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|    |         |         |      |
|----|---------|---------|------|
| 41 | 263.402 | 263.415 | 3.16 |
| 42 | 264.065 | 264.115 | 3.11 |
| 43 | 265.826 | 265.880 | 2.77 |
| 44 | 268.297 | 268.310 | 2.77 |
| 45 | 268.319 | 268.388 | 2.86 |
| 46 | 270.360 | 270.385 | 2.87 |
| 47 | 270.524 | 270.533 | 2.76 |
| 48 | 270.602 | 270.615 | 2.80 |
| 49 | 270.652 | 271.671 | 3.22 |
| 50 | 272.005 | 272.445 | 2.81 |
| 51 | 273.098 | 273.111 | 2.87 |
| 52 | 273.158 | 273.174 | 2.77 |
| 53 | 273.205 | 273.208 | 2.83 |
| 54 | 273.218 | 273.346 | 2.79 |
| 55 | 273.893 | 273.940 | 2.92 |
| 56 | 274.639 | 275.654 | 2.77 |
| 57 | 276.000 | 276.000 | 2.83 |
| 58 | 276.361 | 276.364 | 3.19 |
| 59 | 277.174 | 277.259 | 2.87 |
| 60 | 277.623 | 277.642 | 2.76 |
| 61 | 277.655 | 279.664 | 2.99 |
| 62 | 280.389 | 281.258 | 2.88 |
| 63 | 282.179 | 283.205 | 2.82 |
| 64 | 285.476 | 285.580 | 2.99 |
| 65 | 285.627 | 285.633 | 2.86 |
| 66 | 286.305 | 286.324 | 2.98 |
| 67 | 287.398 | 287.458 | 2.90 |
| 68 | 287.988 | 287.991 | 2.75 |
| 69 | 289.442 | 289.455 | 2.91 |
| 70 | 291.628 | 291.631 | 2.80 |
| 71 | 291.659 | 291.697 | 2.05 |
| 72 | 291.741 | 291.763 | 2.79 |
| 73 | 292.020 | 292.215 | 2.04 |
| 74 | 293.274 | 294.337 | 2.20 |
| 75 | 295.559 | 295.662 | 2.93 |
| 76 | 296.733 | 296.743 | 2.78 |
| 77 | 297.504 | 298.583 | 2.85 |
| 78 | 298.959 | 298.997 | 3.25 |
| 79 | 299.020 | 299.044 | 2.75 |
| 80 | 299.186 | 299.192 | 2.78 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 81  | 299.245 | 299.261 | 2.90 |
| 82  | 300.448 | 302.718 | 2.55 |
| 83  | 304.574 | 304.618 | 2.32 |
| 84  | 304.803 | 304.910 | 2.40 |
| 85  | 305.334 | 305.387 | 2.77 |
| 86  | 306.037 | 306.143 | 2.82 |
| 87  | 306.816 | 306.841 | 2.85 |
| 88  | 307.736 | 308.034 | 2.81 |
| 89  | 308.772 | 308.819 | 2.87 |
| 90  | 310.581 | 310.584 | 2.78 |
| 91  | 310.603 | 310.621 | 2.76 |
| 92  | 312.173 | 312.323 | 2.76 |
| 93  | 314.546 | 314.559 | 3.25 |
| 94  | 314.612 | 314.707 | 2.82 |
| 95  | 319.128 | 319.200 | 2.81 |
| 96  | 326.130 | 326.164 | 2.75 |
| 97  | 339.742 | 339.770 | 2.77 |
| 98  | 340.411 | 340.436 | 2.78 |
| 99  | 340.470 | 340.508 | 2.91 |
| 100 | 346.647 | 346.681 | 2.90 |
| 101 | 346.694 | 346.914 | 2.80 |
| 102 | 347.513 | 347.570 | 2.96 |
| 103 | 351.702 | 351.733 | 2.81 |
| 104 | 353.068 | 353.134 | 2.87 |
| 105 | 357.976 | 358.057 | 2.77 |
| 106 | 358.701 | 358.814 | 2.22 |
| 107 | 359.945 | 359.995 | 2.79 |
| 108 | 362.576 | 362.679 | 2.92 |
| 109 | 362.975 | 362.987 | 2.77 |
| 110 | 363.615 | 363.703 | 2.83 |
| 111 | 365.342 | 365.348 | 3.19 |
| 112 | 365.358 | 365.455 | 2.76 |
| 113 | 365.531 | 365.562 | 2.81 |
| 114 | 366.611 | 366.746 | 2.77 |
| 115 | 367.314 | 367.361 | 2.81 |
| 116 | 369.955 | 370.068 | 2.81 |
| 117 | 371.836 | 371.839 | 2.76 |
| 118 | 372.527 | 372.530 | 3.01 |
| 119 | 372.549 | 372.552 | 3.25 |
| 120 | 374.759 | 374.784 | 3.22 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 375.560 | 375.566 | 2.94 |
| 122 | 376.640 | 376.678 | 2.79 |
| 123 | 377.249 | 377.456 | 2.80 |
| 124 | 379.092 | 379.136 | 2.84 |
| 125 | 380.747 | 380.829 | 2.09 |
| 126 | 386.430 | 386.452 | 2.97 |
| 127 | 389.288 | 389.473 | 2.76 |
| 128 | 389.834 | 390.026 | 2.83 |
| 129 | 390.547 | 390.770 | 2.82 |
| 130 | 390.955 | 391.024 | 2.95 |
| 131 | 391.703 | 391.806 | 2.85 |
| 132 | 391.841 | 391.847 | 2.90 |
| 133 | 392.610 | 392.754 | 2.76 |
| 134 | 393.590 | 393.825 | 2.92 |
| 135 | 394.318 | 394.528 | 2.93 |
| 136 | 394.745 | 394.817 | 2.78 |
| 137 | 395.075 | 395.100 | 2.81 |
| 138 | 395.139 | 395.150 | 3.13 |
| 139 | 395.552 | 395.998 | 3.81 |
| 140 | 396.466 | 396.469 | 2.76 |
| 141 | 396.488 | 396.532 | 3.01 |
| 142 | 396.805 | 396.855 | 2.88 |
| 143 | 397.100 | 397.166 | 2.79 |
| 144 | 397.179 | 397.179 | 2.78 |
| 145 | 397.574 | 397.574 | 2.78 |
| 146 | 397.643 | 397.929 | 2.94 |
| 147 | 398.275 | 398.909 | 2.76 |
| 148 | 399.289 | 399.304 | 3.02 |
| 149 | 399.330 | 399.399 | 2.92 |
| 150 | 399.427 | 399.455 | 2.80 |
| 151 | 400.049 | 400.300 | 2.82 |
| 152 | 402.096 | 402.457 | 2.91 |
| 153 | 403.434 | 403.572 | 2.90 |
| 154 | 404.046 | 404.310 | 2.78 |
| 155 | 404.624 | 404.809 | 2.01 |
| 156 | 405.946 | 406.137 | 2.88 |
| 157 | 406.357 | 406.376 | 2.79 |
| 158 | 406.420 | 407.125 | 2.78 |
| 159 | 407.172 | 408.206 | 2.78 |
| 160 | 408.250 | 408.258 | 2.22 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 161 | 408.304 | 408.458 | 2.78 |
| 162 | 408.470 | 408.492 | 2.94 |
| 163 | 408.819 | 408.875 | 2.87 |
| 164 | 409.497 | 409.770 | 2.81 |
| 165 | 410.131 | 410.542 | 2.82 |
| 166 | 410.753 | 410.872 | 2.98 |
| 167 | 411.290 | 411.293 | 2.82 |
| 168 | 411.309 | 411.322 | 2.77 |
| 169 | 411.331 | 411.459 | 2.85 |
| 170 | 411.660 | 411.692 | 2.78 |
| 171 | 411.905 | 411.915 | 2.76 |
| 172 | 412.379 | 412.624 | 2.77 |
| 173 | 412.719 | 412.731 | 2.82 |
| 174 | 412.810 | 413.023 | 2.83 |
| 175 | 413.422 | 413.447 | 2.81 |
| 176 | 413.824 | 413.915 | 2.81 |
| 177 | 413.943 | 413.987 | 2.83 |
| 178 | 414.000 | 414.025 | 2.78 |
| 179 | 414.282 | 414.530 | 2.82 |
| 180 | 414.760 | 414.782 | 2.88 |
| 181 | 414.866 | 414.910 | 2.91 |
| 182 | 415.645 | 415.702 | 2.95 |
| 183 | 415.962 | 415.979 | 2.99 |
| 184 | 416.556 | 416.747 | 2.77 |
| 185 | 417.058 | 417.180 | 2.78 |
| 186 | 417.498 | 417.554 | 2.90 |
| 187 | 417.567 | 417.576 | 2.78 |
| 188 | 417.670 | 417.937 | 3.01 |
| 189 | 418.327 | 418.440 | 2.88 |
| 190 | 418.779 | 418.785 | 2.79 |
| 191 | 418.838 | 418.860 | 2.78 |
| 192 | 418.873 | 418.986 | 2.77 |
| 193 | 419.338 | 419.369 | 2.78 |
| 194 | 419.422 | 419.451 | 2.90 |
| 195 | 419.495 | 419.517 | 2.78 |
| 196 | 420.380 | 420.437 | 3.01 |
| 197 | 421.404 | 421.525 | 2.88 |
| 198 | 421.749 | 421.978 | 2.79 |
| 199 | 422.427 | 422.638 | 2.78 |
| 200 | 422.839 | 422.870 | 2.77 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 201 | 423.796 | 423.900 | 2.87 |
| 202 | 424.581 | 424.889 | 2.78 |
| 203 | 424.980 | 425.027 | 2.76 |
| 204 | 425.404 | 425.549 | 2.76 |
| 205 | 425.775 | 425.809 | 3.25 |
| 206 | 426.557 | 426.889 | 2.82 |
| 207 | 427.495 | 427.527 | 2.81 |
| 208 | 427.599 | 427.630 | 2.75 |
| 209 | 428.073 | 428.167 | 2.76 |
| 210 | 428.189 | 428.205 | 2.81 |
| 211 | 428.218 | 428.233 | 2.89 |
| 212 | 428.651 | 428.918 | 3.10 |
| 213 | 429.216 | 429.426 | 3.11 |
| 214 | 429.888 | 430.026 | 2.82 |
| 215 | 430.076 | 430.086 | 2.75 |
| 216 | 430.155 | 430.350 | 2.90 |
| 217 | 430.824 | 431.078 | 2.78 |
| 218 | 431.094 | 431.100 | 2.85 |
| 219 | 431.153 | 431.204 | 2.79 |
| 220 | 432.004 | 432.309 | 2.76 |
| 221 | 432.318 | 432.494 | 2.14 |
| 222 | 433.022 | 433.116 | 2.77 |
| 223 | 433.414 | 433.464 | 2.76 |
| 224 | 433.527 | 433.537 | 2.79 |
| 225 | 434.168 | 434.378 | 2.29 |
| 226 | 434.391 | 434.444 | 2.08 |
| 227 | 435.063 | 435.078 | 2.78 |
| 228 | 435.609 | 435.845 | 2.99 |
| 229 | 435.870 | 435.885 | 2.95 |
| 230 | 436.115 | 436.287 | 2.89 |
| 231 | 436.962 | 437.009 | 2.76 |
| 232 | 437.125 | 437.484 | 3.09 |
| 233 | 437.499 | 437.518 | 2.78 |
| 234 | 438.101 | 438.514 | 2.77 |
| 235 | 438.906 | 438.966 | 2.75 |
| 236 | 439.060 | 439.104 | 2.85 |
| 237 | 439.148 | 439.641 | 2.77 |
| 238 | 439.895 | 439.952 | 2.75 |
| 239 | 440.388 | 440.636 | 2.76 |
| 240 | 440.884 | 440.922 | 2.74 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 241 | 440.963 | 440.997 | 2.78 |
| 242 | 441.114 | 441.176 | 2.75 |
| 243 | 441.198 | 441.343 | 2.83 |
| 244 | 441.380 | 441.424 | 2.76 |
| 245 | 441.977 | 442.008 | 2.81 |
| 246 | 442.040 | 442.081 | 2.76 |
| 247 | 442.131 | 442.178 | 2.79 |
| 248 | 442.646 | 442.652 | 2.91 |
| 249 | 442.665 | 442.869 | 2.65 |
| 250 | 443.186 | 443.233 | 2.87 |
| 251 | 443.271 | 443.315 | 2.85 |
| 252 | 444.370 | 444.398 | 2.89 |
| 253 | 444.633 | 444.803 | 2.76 |
| 254 | 445.312 | 445.343 | 2.80 |
| 255 | 445.560 | 445.582 | 2.87 |
| 256 | 445.714 | 445.729 | 2.78 |
| 257 | 446.257 | 446.291 | 2.41 |
| 258 | 446.323 | 446.373 | 2.80 |
| 259 | 446.480 | 446.546 | 2.82 |
| 260 | 446.571 | 446.684 | 2.78 |
| 261 | 447.183 | 447.588 | 2.19 |
| 262 | 448.819 | 448.835 | 2.83 |
| 263 | 448.844 | 448.945 | 2.80 |
| 264 | 449.441 | 449.472 | 2.87 |
| 265 | 449.504 | 449.652 | 2.75 |
| 266 | 449.956 | 450.103 | 2.83 |
| 267 | 450.568 | 450.961 | 2.79 |
| 268 | 451.658 | 451.689 | 2.79 |
| 269 | 451.695 | 451.705 | 2.77 |
| 270 | 451.755 | 451.818 | 2.88 |
| 271 | 451.824 | 451.840 | 2.54 |
| 272 | 451.852 | 451.899 | 2.97 |
| 273 | 452.160 | 452.298 | 2.78 |
| 274 | 452.716 | 452.933 | 2.76 |
| 275 | 453.576 | 453.761 | 2.09 |
| 276 | 454.999 | 455.200 | 2.77 |
| 277 | 456.047 | 456.154 | 2.81 |
| 278 | 458.073 | 458.123 | 2.78 |
| 279 | 458.145 | 458.205 | 2.39 |
| 280 | 458.418 | 458.497 | 2.83 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 281 | 459.206 | 459.476 | 2.19 |
| 282 | 459.897 | 459.900 | 3.26 |
| 283 | 459.913 | 459.982 | 2.79 |
| 284 | 460.318 | 460.525 | 2.79 |
| 285 | 461.313 | 461.712 | 2.83 |
| 286 | 462.243 | 462.437 | 2.97 |
| 287 | 462.497 | 462.500 | 2.87 |
| 288 | 462.569 | 462.625 | 3.02 |
| 289 | 462.739 | 462.943 | 2.94 |
| 290 | 463.624 | 464.001 | 2.77 |
| 291 | 464.441 | 464.626 | 3.11 |
| 292 | 465.392 | 465.392 | 2.82 |
| 293 | 465.785 | 465.794 | 2.75 |
| 294 | 465.810 | 465.882 | 2.90 |
| 295 | 466.406 | 466.431 | 2.78 |
| 296 | 466.836 | 466.893 | 2.85 |
| 297 | 467.132 | 467.135 | 2.79 |
| 298 | 467.420 | 467.530 | 2.76 |
| 299 | 467.835 | 467.847 | 3.14 |
| 300 | 467.885 | 467.983 | 2.77 |
| 301 | 468.661 | 468.896 | 2.76 |
| 302 | 468.915 | 468.950 | 2.79 |
| 303 | 469.001 | 469.003 | 2.29 |
| 304 | 470.279 | 470.291 | 2.08 |
| 305 | 470.808 | 470.808 | 3.11 |
| 306 | 473.830 | 473.836 | 2.82 |
| 307 | 478.849 | 478.858 | 2.75 |
| 308 | 479.737 | 480.756 | 2.80 |
| 309 | 481.926 | 485.951 | 2.79 |
| 310 | 488.970 | 489.051 | 2.89 |
| 311 | 492.152 | 499.698 | 2.86 |
| 312 | 500.968 | 511.326 | 2.46 |
| 313 | 518.601 | 518.720 | 2.78 |
| 314 | 521.088 | 523.079 | 2.36 |
| 315 | 524.668 | 525.600 | 2.91 |
| 316 | 526.610 | 526.663 | 2.65 |
| 317 | 527.704 | 527.823 | 2.87 |
| 318 | 528.564 | 528.586 | 2.85 |
| 319 | 528.737 | 528.756 | 2.89 |
| 320 | 529.969 | 530.178 | 2.76 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 321 | 530.206 | 530.238 | 2.79 |
| 322 | 530.288 | 530.922 | 2.82 |
| 333 | 531.329 | 532.276 | 2.25 |
| 334 | 532.719 | 532.938 | 2.77 |
| 335 | 533.979 | 535.023 | 2.75 |
| 336 | 536.083 | 536.121 | 2.35 |
| 337 | 536.155 | 537.001 | 2.86 |
| 338 | 537.224 | 537.268 | 2.75 |
| 339 | 537.312 | 537.903 | 2.76 |
| 340 | 537.937 | 537.978 | 2.78 |
| 341 | 538.006 | 538.198 | 2.75 |
| 342 | 539.959 | 540.123 | 2.83 |
| 343 | 540.666 | 540.776 | 2.76 |
| 344 | 541.317 | 543.011 | 2.81 |
| 345 | 545.946 | 546.690 | 2.86 |
| 346 | 547.249 | 548.258 | 2.46 |
| 347 | 548.290 | 548.331 | 2.78 |
| 348 | 548.378 | 548.409 | 2.36 |
| 349 | 548.431 | 548.447 | 2.91 |
| 350 | 549.241 | 549.266 | 2.65 |
| 351 | 549.294 | 549.593 | 2.87 |
| 352 | 550.787 | 552.362 | 2.85 |
| 353 | 553.854 | 554.321 | 2.89 |
| 354 | 555.652 | 555.686 | 2.76 |
| 355 | 556.774 | 556.812 | 2.80 |
| 356 | 556.937 | 556.937 | 2.79 |
| 357 | 557.794 | 557.804 | 2.82 |
| 358 | 558.498 | 558.777 | 2.25 |
| 359 | 559.012 | 559.622 | 2.77 |
| 360 | 560.457 | 560.498 | 2.75 |
| 361 | 561.715 | 561.710 | 2.35 |
| 362 | 562.738 | 562.754 | 2.86 |
| 363 | 564.898 | 564.946 | 2.75 |
| 364 | 566.533 | 566.624 | 2.76 |
| 365 | 567.434 | 567.695 | 2.78 |
| 366 | 568.502 | 568.536 | 2.75 |
| 367 | 568.599 | 568.627 | 2.83 |
| 368 | 568.649 | 568.712 | 2.76 |
| 369 | 568.731 | 568.784 | 2.81 |
| 370 | 569.803 | 569.844 | 2.80 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 575.489 | 575.639 | 2.41 |
| 122 | 576.603 | 577.845 | 2.80 |
| 123 | 578.101 | 578.205 | 2.88 |
| 124 | 578.265 | 578.334 | 3.16 |
| 125 | 578.409 | 578.465 | 3.09 |
| 126 | 579.181 | 579.200 | 3.05 |
| 127 | 579.326 | 579.370 | 3.00 |
| 128 | 579.461 | 579.492 | 2.89 |
| 129 | 581.496 | 581.502 | 2.86 |
| 130 | 581.518 | 581.543 | 2.46 |
| 131 | 581.562 | 581.618 | 2.78 |
| 132 | 581.753 | 581.756 | 2.36 |
| 133 | 582.774 | 582.808 | 2.91 |
| 134 | 582.855 | 582.996 | 2.65 |
| 135 | 584.747 | 586.036 | 3.11 |
| 136 | 586.061 | 586.074 | 2.82 |
| 137 | 588.743 | 588.768 | 2.75 |
| 138 | 588.900 | 588.962 | 2.90 |
| 139 | 589.807 | 589.854 | 2.78 |
| 140 | 589.892 | 590.040 | 2.85 |
| 141 | 591.490 | 591.500 | 2.79 |
| 142 | 591.606 | 592.172 | 2.76 |
| 143 | 592.244 | 592.266 | 3.14 |
| 144 | 592.504 | 592.523 | 2.77 |
| 145 | 592.558 | 592.643 | 2.76 |
| 146 | 592.658 | 592.784 | 2.79 |
| 147 | 592.812 | 592.894 | 2.29 |
| 148 | 592.941 | 593.101 | 2.79 |
| 149 | 593.123 | 593.176 | 2.79 |
| 150 | 594.511 | 594.527 | 2.77 |
| 151 | 596.003 | 597.217 | 2.88 |
| 152 | 597.505 | 597.519 | 2.54 |
| 153 | 598.923 | 598.954 | 2.97 |
| 154 | 599.963 | 601.008 | 2.78 |
| 155 | 603.174 | 603.262 | 2.76 |
| 156 | 603.287 | 603.413 | 2.09 |
| 157 | 603.422 | 603.548 | 2.77 |
| 158 | 606.057 | 606.082 | 2.79 |
| 159 | 606.179 | 606.223 | 2.79 |
| 160 | 606.314 | 606.377 | 2.77 |

钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 161 | 609.159 | 609.451 | 3.01 |
| 162 | 610.252 | 610.465 | 3.09 |
| 163 | 610.559 | 610.610 | 3.91 |
| 164 | 612.660 | 613.666 | 2.76 |
| 165 | 614.682 | 616.008 | 2.93 |

## 钢丝绳（缆）在线无损定量检测报告

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## 配重端金属横截面积损失（LMA）

| 序 号 | 起始位置(米) | 终止位置(米) | 金属横截面积损失(LMA)% |
|-----|---------|---------|----------------|
| 1   | 0.000   | 1.801   | 2.74           |
| 2   | 1.745   | 1.949   | 2.83           |
| 3   | 2.019   | 2.203   | 2.87           |
| 4   | 2.313   | 2.373   | 2.91           |
| 5   | 3.779   | 3.786   | 2.75           |
| 6   | 3.801   | 3.833   | 2.82           |
| 7   | 6.119   | 6.395   | 2.90           |
| 8   | 10.320  | 10.326  | 2.10           |
| 9   | 11.323  | 11.420  | 2.82           |
| 10  | 13.493  | 13.546  | 2.22           |
| 11  | 14.662  | 14.958  | 2.95           |
| 12  | 15.587  | 15.600  | 2.25           |
| 13  | 15.706  | 15.772  | 2.15           |
| 14  | 15.804  | 15.920  | 2.05           |
| 15  | 16.170  | 16.220  | 2.08           |
| 16  | 16.330  | 16.339  | 2.06           |
| 17  | 17.436  | 17.484  | 2.86           |
| 18  | 17.970  | 18.108  | 2.90           |
| 19  | 18.234  | 18.558  | 2.17           |
| 20  | 19.112  | 20.410  | 2.91           |
| 21  | 21.006  | 22.194  | 2.09           |
| 22  | 23.057  | 23.152  | 2.87           |
| 23  | 23.346  | 24.099  | 2.23           |
| 24  | 25.202  | 25.246  | 2.77           |
| 25  | 29.392  | 32.421  | 2.80           |
| 26  | 32.540  | 33.556  | 2.80           |
| 27  | 35.865  | 36.915  | 2.79           |
| 28  | 37.006  | 37.105  | 2.24           |
| 29  | 37.768  | 37.824  | 3.16           |
| 30  | 37.947  | 38.000  | 2.85           |
| 31  | 38.044  | 39.126  | 2.29           |
| 32  | 39.142  | 39.579  | 2.32           |
| 33  | 40.001  | 40.340  | 2.84           |
| 34  | 41.409  | 42.459  | 3.09           |
| 35  | 42.985  | 43.400  | 2.76           |
| 36  | 44.513  | 44.594  | 3.25           |
| 37  | 46.635  | 47.736  | 3.28           |
| 38  | 48.814  | 49.861  | 3.35           |
| 39  | 50.003  | 50.021  | 2.79           |
| 40  | 51.569  | 52.003  | 3.12           |



## 钢丝绳（缆）在线无损定量检测报告

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|    |         |         |      |
|----|---------|---------|------|
| 41 | 52.877  | 54.902  | 2.49 |
| 42 | 55.082  | 56.126  | 2.85 |
| 43 | 57.198  | 57.280  | 2.85 |
| 44 | 58.260  | 58.294  | 3.05 |
| 45 | 59.289  | 59.311  | 2.85 |
| 46 | 60.010  | 62.005  | 3.25 |
| 47 | 62.732  | 62.742  | 3.08 |
| 48 | 63.751  | 65.757  | 3.42 |
| 49 | 67.521  | 68.530  | 2.05 |
| 50 | 69.314  | 72.352  | 3.08 |
| 51 | 72.374  | 72.430  | 2.78 |
| 52 | 107.115 | 112.254 | 2.45 |
| 53 | 114.565 | 119.593 | 2.25 |
| 54 | 120.133 | 120.168 | 2.09 |
| 55 | 127.179 | 127.195 | 2.36 |
| 56 | 127.205 | 127.233 | 2.99 |
| 57 | 127.324 | 127.362 | 2.79 |
| 58 | 140.225 | 160.352 | 2.24 |
| 59 | 162.374 | 164.403 | 2.99 |
| 60 | 166.266 | 166.307 | 2.98 |
| 61 | 170.351 | 176.455 | 2.05 |
| 62 | 181.958 | 185.891 | 2.75 |
| 63 | 200.946 | 206.949 | 2.76 |
| 64 | 216.965 | 230.971 | 2.08 |
| 65 | 239.191 | 243.279 | 2.15 |
| 66 | 250.285 | 253.298 | 3.01 |
| 67 | 253.307 | 253.395 | 2.75 |
| 68 | 255.437 | 257.676 | 2.72 |
| 69 | 260.729 | 262.729 | 2.84 |
| 70 | 263.870 | 265.886 | 2.87 |
| 71 | 267.892 | 267.895 | 2.78 |
| 72 | 269.381 | 272.387 | 2.89 |
| 73 | 273.491 | 277.522 | 2.12 |
| 74 | 278.559 | 280.559 | 2.05 |
| 75 | 280.678 | 280.707 | 2.78 |
| 76 | 281.259 | 281.306 | 2.02 |
| 77 | 285.510 | 287.516 | 2.06 |
| 78 | 290.541 | 294.557 | 2.88 |
| 79 | 294.614 | 294.680 | 2.87 |
| 80 | 296.413 | 297.416 | 2.76 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 81  | 299.754 | 300.801 | 2.80 |
| 82  | 301.833 | 301.949 | 2.96 |
| 83  | 302.184 | 302.203 | 2.81 |
| 84  | 302.313 | 302.373 | 2.87 |
| 85  | 303.779 | 303.786 | 3.01 |
| 86  | 303.801 | 303.833 | 2.83 |
| 87  | 304.118 | 304.131 | 2.79 |
| 88  | 304.621 | 304.718 | 2.92 |
| 89  | 305.714 | 305.723 | 2.77 |
| 90  | 306.015 | 306.065 | 2.83 |
| 91  | 306.119 | 306.395 | 2.19 |
| 92  | 308.320 | 310.326 | 2.76 |
| 93  | 310.741 | 310.753 | 2.81 |
| 94  | 312.166 | 312.195 | 2.77 |
| 95  | 314.804 | 315.027 | 2.01 |
| 96  | 317.555 | 318.652 | 2.81 |
| 97  | 318.661 | 319.743 | 2.76 |
| 98  | 319.985 | 320.019 | 2.78 |
| 99  | 320.026 | 320.032 | 2.75 |
| 100 | 320.760 | 320.770 | 2.01 |
| 101 | 320.858 | 320.902 | 2.75 |
| 102 | 321.319 | 321.357 | 2.76 |
| 103 | 321.753 | 321.775 | 2.32 |
| 104 | 321.768 | 321.976 | 2.41 |
| 105 | 322.067 | 322.073 | 2.77 |
| 106 | 323.417 | 323.445 | 2.82 |
| 107 | 323.533 | 323.583 | 2.85 |
| 108 | 323.806 | 323.878 | 2.81 |
| 109 | 327.819 | 327.982 | 2.87 |
| 110 | 327.992 | 327.998 | 2.78 |
| 111 | 342.361 | 342.367 | 2.76 |
| 112 | 342.477 | 342.483 | 2.76 |
| 113 | 342.496 | 342.499 | 2.76 |
| 114 | 342.605 | 342.643 | 2.82 |
| 115 | 357.279 | 357.291 | 2.81 |
| 116 | 375.808 | 375.812 | 2.22 |
| 117 | 375.830 | 375.836 | 2.77 |
| 118 | 375.849 | 375.858 | 2.78 |
| 119 | 375.893 | 376.009 | 2.91 |
| 120 | 384.151 | 384.185 | 2.90 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 384.314 | 384.327 | 2.78 |
| 122 | 384.415 | 384.531 | 2.01 |
| 123 | 384.575 | 384.619 | 2.88 |
| 124 | 389.165 | 389.181 | 2.79 |
| 125 | 389.599 | 389.611 | 2.78 |
| 126 | 389.621 | 389.630 | 2.78 |
| 127 | 390.132 | 390.217 | 2.94 |
| 128 | 391.784 | 391.806 | 2.79 |
| 129 | 392.908 | 392.921 | 2.80 |
| 130 | 392.965 | 393.188 | 2.84 |
| 131 | 393.310 | 393.325 | 2.09 |
| 132 | 393.420 | 393.486 | 2.97 |
| 133 | 393.577 | 393.634 | 2.76 |
| 134 | 393.725 | 393.778 | 2.83 |
| 135 | 397.229 | 397.304 | 2.05 |
| 136 | 397.628 | 397.910 | 2.95 |
| 137 | 399.888 | 399.895 | 2.85 |
| 138 | 399.904 | 399.920 | 2.90 |
| 139 | 399.926 | 399.967 | 2.76 |
| 140 | 400.030 | 400.039 | 2.92 |
| 141 | 402.548 | 402.583 | 2.93 |
| 142 | 403.999 | 404.065 | 2.78 |
| 143 | 406.944 | 407.001 | 2.81 |
| 144 | 411.170 | 411.199 | 3.22 |
| 145 | 426.010 | 426.032 | 2.81 |
| 146 | 426.155 | 426.173 | 2.76 |
| 147 | 432.705 | 432.708 | 2.84 |
| 148 | 454.424 | 454.440 | 2.82 |
| 149 | 461.863 | 461.897 | 3.22 |
| 150 | 464.036 | 464.042 | 2.75 |
| 151 | 464.051 | 464.061 | 2.78 |
| 152 | 464.076 | 464.083 | 2.77 |
| 153 | 464.937 | 464.943 | 3.06 |
| 154 | 464.956 | 464.959 | 2.76 |
| 155 | 465.006 | 465.037 | 2.78 |
| 156 | 465.053 | 465.056 | 2.76 |
| 157 | 465.072 | 465.094 | 2.82 |
| 158 | 465.103 | 465.106 | 2.76 |
| 159 | 467.132 | 467.154 | 3.25 |
| 160 | 467.533 | 467.565 | 2.81 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 161 | 467.587 | 467.603 | 2.81 |
| 162 | 467.618 | 467.621 | 2.76 |
| 163 | 467.634 | 467.669 | 2.78 |
| 164 | 469.082 | 469.085 | 2.75 |
| 165 | 469.097 | 469.273 | 2.01 |
| 166 | 469.352 | 469.358 | 2.75 |
| 167 | 469.797 | 469.801 | 2.76 |
| 168 | 469.901 | 470.739 | 3.32 |
| 169 | 471.653 | 471.945 | 3.41 |
| 170 | 471.958 | 471.977 | 2.77 |
| 171 | 472.253 | 472.281 | 2.82 |
| 172 | 472.297 | 472.328 | 2.85 |
| 173 | 472.853 | 472.875 | 2.81 |
| 174 | 474.043 | 474.080 | 2.87 |
| 175 | 474.467 | 474.517 | 2.98 |
| 176 | 474.542 | 474.821 | 3.15 |
| 177 | 475.475 | 475.528 | 2.87 |
| 178 | 476.373 | 476.432 | 2.76 |
| 179 | 476.457 | 476.461 | 2.80 |
| 180 | 476.467 | 476.483 | 3.05 |
| 181 | 476.526 | 476.542 | 2.81 |
| 182 | 478.461 | 478.476 | 2.87 |
| 183 | 480.225 | 480.522 | 2.79 |
| 184 | 481.526 | 482.695 | 2.80 |
| 185 | 482.999 | 483.002 | 2.84 |
| 186 | 484.552 | 485.966 | 3.09 |
| 187 | 486.220 | 486.522 | 2.97 |
| 188 | 489.552 | 490.526 | 2.76 |
| 189 | 491.002 | 492.625 | 2.83 |
| 190 | 493.589 | 494.658 | 3.05 |
| 191 | 494.958 | 495.225 | 2.95 |

本报告结束



蒙 应急 21 00

报告编号：安德 GSWS26/D-0128096

# 钢丝绳（缆）在线无损定量 检测报告

|         |                  |
|---------|------------------|
| 委托单位：   | 巴彦淖尔西部铜业有限公司     |
| 受检单位：   | 巴彦淖尔西部铜业有限公司     |
| 被检对象名称： | 钢丝绳（无损定量）        |
| 型号规格：   | 34×7+NF          |
| 检测检验类别： | 定期检测检验           |
| 检测检验日期： | 2026 年 01 月 28 日 |

赤峰安德检测检验有限公司





# 声 明



- 1、报告中检测检验数据仅对当时设备或来样负责。
- 2、报告中无主检、审核、批准人签字无效。
- 3、报告封面、首页、骑缝未盖“赤峰安德检测检验有限公司检测检验专用章”无效。
- 4、复制报告，封面、首页、骑缝未重新盖“赤峰安德检测检验有限公司检测检验专用章”无效。
- 5、报告涂改无效。
- 6、若对报告有异议，应于收到报告之日起十五日内向检测检验机构提出，逾期视为认可。

检测检验机构名称：赤峰安德检测检验有限公司

检测检验机构地址：内蒙古自治区赤峰市松山区北辰综合批发市场 A 区  
5#楼 9 层

邮政编码：024000

电话：0476-5670939

传真：0476-5670939





## 钢丝绳（缆）在线无损定量检测报告

报告编号：安德 GSWS26/D-0128096

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|         |    |                                                                                                |        |            |
|---------|----|------------------------------------------------------------------------------------------------|--------|------------|
| 委托单位    | 名称 | 巴彦淖尔西部铜业有限公司                                                                                   |        |            |
|         | 地址 | 内蒙古自治区巴彦淖尔市乌拉特后旗获各琦苏木                                                                          |        |            |
| 规格型号    |    | 34×7+NF                                                                                        | 公称直径   | 47mm       |
| 提升用途    |    | 尾绳                                                                                             | 捻向     | 右交互捻       |
| 生产厂家    |    | 宁夏恒力钢丝绳股份有限公司                                                                                  |        |            |
| 检测检验地点  |    | 3#副井（2#尾绳）                                                                                     |        |            |
| 钢丝绳状态   |    | 在用                                                                                             | 检测检验日期 | 2026-01-28 |
| 检测检验类别  |    | 定期检测检验                                                                                         | 检测检验周期 | 壹年         |
| 受检单位    |    | 巴彦淖尔西部铜业有限公司                                                                                   |        |            |
| 检测检验项目  |    | 钢丝绳（缆）在线无损定量检测                                                                                 |        |            |
| 检测检验依据  |    | MT/T970-2005《钢丝绳（缆）在线无损定量检测方法和判定规则》                                                            |        |            |
| 存在问题及建议 |    | /                                                                                              |        |            |
| 检测检验结论  |    | 依据 MT/T970-2005《钢丝绳（缆）在线无损定量检测方法和判定规则》对该钢丝绳进行了检测检验。<br><br>综合判定：合格<br><br>签发日期：2026 年 1 月 30 日 |        |            |
| 检测检验组成员 |    | 刘喜全 肖文轩 雷宇昕 杨艳柱                                                                                |        |            |
| 备注      |    | /                                                                                              |        |            |

批准：

审核：

主检：

日期：2026.1.30

日期：2026.1.30

日期：2026.1.30

## 钢丝绳（缆）在线无损定量检测报告

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## 检测检验用仪器设备一览表

| 名称     | 设备唯一性编号 | 准确度                                                  | 检定/校准证书编号       |
|--------|---------|------------------------------------------------------|-----------------|
| 温湿度表   | CSB-206 | 精度（25℃）<br>温度：±0.3℃（Max±0.5℃）<br>湿度：±2%RH（Max±5%RH）  | ZS202601140027  |
| 钢丝绳探伤仪 | CSB-392 | 局部缺陷的定性检测准确率：98%<br>断丝定性检测准确率：100%<br>断丝定量检测准确率：≥98% | CD620-250869870 |

## 检测检验环境数据

|           |      |
|-----------|------|
| 环境温度（℃）   | 5.9  |
| 环境湿度（%RH） | 51.7 |



## 钢丝绳（缆）在线无损定量检测报告

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## 罐笼金属横截面积损失（LMA）

| 序 号 | 起始位置(米) | 终止位置(米) | 金属横截面积损失(LMA)% |
|-----|---------|---------|----------------|
| 1   | 0.000   | 1.801   | 2.74           |
| 2   | 1.833   | 1.949   | 2.83           |
| 3   | 2.184   | 2.203   | 2.87           |
| 4   | 2.313   | 2.373   | 2.91           |
| 5   | 3.779   | 3.786   | 2.75           |
| 6   | 3.801   | 3.833   | 2.82           |
| 7   | 4.118   | 4.131   | 3.00           |
| 8   | 4.621   | 4.718   | 3.36           |
| 9   | 5.714   | 5.723   | 3.66           |
| 10  | 6.015   | 6.065   | 3.16           |
| 11  | 6.119   | 6.395   | 2.90           |
| 12  | 10.320  | 10.326  | 3.10           |
| 13  | 10.741  | 10.753  | 3.01           |
| 14  | 12.166  | 12.195  | 2.77           |
| 15  | 14.804  | 15.027  | 2.93           |
| 16  | 19.555  | 19.652  | 2.76           |
| 17  | 19.661  | 19.743  | 2.79           |
| 18  | 20.010  | 20.019  | 2.75           |
| 19  | 20.026  | 20.032  | 3.50           |
| 20  | 20.760  | 20.770  | 2.88           |
| 21  | 20.858  | 20.902  | 2.93           |
| 22  | 21.319  | 21.357  | 3.12           |
| 23  | 21.753  | 21.753  | 3.05           |
| 24  | 21.768  | 21.976  | 3.04           |
| 25  | 22.067  | 22.073  | 3.50           |
| 26  | 23.417  | 23.445  | 2.97           |
| 27  | 23.533  | 23.583  | 2.94           |
| 28  | 23.806  | 23.878  | 2.88           |
| 29  | 27.819  | 27.982  | 3.16           |
| 30  | 27.992  | 27.998  | 2.91           |
| 31  | 42.361  | 42.367  | 2.97           |
| 32  | 42.477  | 42.483  | 2.84           |
| 33  | 42.496  | 42.496  | 3.53           |
| 34  | 42.605  | 42.643  | 2.96           |
| 35  | 43.286  | 44.500  | 2.94           |
| 36  | 47.254  | 52.903  | 3.24           |
| 37  | 52.925  | 52.944  | 3.05           |
| 38  | 52.956  | 52.978  | 2.93           |
| 39  | 52.988  | 61.990  | 2.77           |
| 40  | 62.034  | 62.050  | 3.18           |

## 钢丝绳（缆）在线无损定量检测报告

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|    |         |         |      |
|----|---------|---------|------|
| 41 | 49.877  | 52.902  | 2.81 |
| 42 | 62.178  | 62.185  | 2.76 |
| 43 | 62.247  | 62.257  | 2.81 |
| 44 | 62.615  | 63.211  | 2.89 |
| 45 | 63.902  | 63.918  | 3.10 |
| 46 | 64.585  | 64.644  | 2.85 |
| 47 | 64.732  | 64.742  | 2.78 |
| 48 | 65.751  | 65.757  | 2.76 |
| 49 | 68.521  | 68.530  | 2.79 |
| 50 | 69.314  | 70.352  | 2.82 |
| 51 | 72.374  | 75.430  | 2.87 |
| 52 | 97.226  | 99.254  | 2.81 |
| 53 | 102.565 | 106.593 | 2.81 |
| 54 | 108.133 | 110.168 | 2.83 |
| 55 | 115.179 | 123.195 | 2.78 |
| 56 | 125.205 | 127.233 | 2.88 |
| 57 | 127.324 | 136.362 | 2.88 |
| 58 | 145.352 | 155.352 | 2.75 |
| 59 | 155.374 | 160.403 | 2.85 |
| 60 | 162.266 | 166.307 | 2.82 |
| 61 | 166.351 | 167.455 | 3.16 |
| 62 | 169.668 | 172.891 | 3.11 |
| 63 | 189.946 | 196.949 | 3.77 |
| 64 | 200.965 | 210.971 | 2.77 |
| 65 | 225.191 | 235.279 | 2.86 |
| 66 | 243.285 | 250.298 | 2.77 |
| 67 | 251.307 | 253.395 | 2.98 |
| 68 | 257.437 | 260.676 | 2.03 |
| 69 | 261.729 | 263.729 | 2.76 |
| 70 | 264.870 | 265.886 | 2.81 |
| 71 | 266.892 | 267.895 | 2.83 |
| 72 | 269.381 | 270.387 | 2.75 |
| 73 | 273.491 | 275.522 | 2.78 |
| 74 | 279.559 | 280.559 | 2.83 |
| 75 | 280.678 | 280.707 | 2.79 |
| 76 | 281.259 | 282.306 | 2.95 |
| 77 | 284.510 | 290.516 | 2.99 |
| 78 | 291.541 | 294.557 | 2.77 |
| 79 | 294.614 | 294.680 | 3.07 |
| 80 | 296.413 | 297.416 | 2.76 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 81  | 298.754 | 300.801 | 2.80 |
| 82  | 301.833 | 301.949 | 2.96 |
| 83  | 302.184 | 302.203 | 2.81 |
| 84  | 302.313 | 302.373 | 2.80 |
| 85  | 303.779 | 303.786 | 2.77 |
| 86  | 303.801 | 303.833 | 2.83 |
| 87  | 304.118 | 304.131 | 2.79 |
| 88  | 304.621 | 304.718 | 2.62 |
| 89  | 306.714 | 306.723 | 2.77 |
| 90  | 308.015 | 308.165 | 2.83 |
| 91  | 309.119 | 309.395 | 3.19 |
| 92  | 310.000 | 310.326 | 2.55 |
| 93  | 310.741 | 311.753 | 2.81 |
| 94  | 312.166 | 313.195 | 2.80 |
| 95  | 314.804 | 315.027 | 3.03 |
| 96  | 316.555 | 316.652 | 3.00 |
| 97  | 316.661 | 317.743 | 2.25 |
| 98  | 318.010 | 319.019 | 2.77 |
| 99  | 319.026 | 320.032 | 2.98 |
| 100 | 320.760 | 320.770 | 2.78 |
| 101 | 320.858 | 320.902 | 2.80 |
| 102 | 321.319 | 321.357 | 2.92 |
| 103 | 321.753 | 321.756 | 2.76 |
| 104 | 321.788 | 321.976 | 3.07 |
| 105 | 322.067 | 322.073 | 2.77 |
| 106 | 323.417 | 323.445 | 3.00 |
| 107 | 323.533 | 323.583 | 2.89 |
| 108 | 323.806 | 325.878 | 2.91 |
| 109 | 327.819 | 328.982 | 2.98 |
| 110 | 329.992 | 333.998 | 2.78 |
| 111 | 335.361 | 337.367 | 2.76 |
| 112 | 337.477 | 339.483 | 3.04 |
| 113 | 340.496 | 342.496 | 2.76 |
| 114 | 343.605 | 349.643 | 2.86 |
| 115 | 353.279 | 357.291 | 2.81 |
| 116 | 360.808 | 362.808 | 2.75 |
| 117 | 365.830 | 368.836 | 3.31 |
| 118 | 370.849 | 375.858 | 2.78 |
| 119 | 375.893 | 379.009 | 3.91 |
| 120 | 380.151 | 382.185 | 2.90 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 383.314 | 384.327 | 2.78 |
| 122 | 384.415 | 385.531 | 3.09 |
| 123 | 387.575 | 388.619 | 2.88 |
| 124 | 389.165 | 389.181 | 2.79 |
| 125 | 389.599 | 389.611 | 2.78 |
| 126 | 389.621 | 389.630 | 3.32 |
| 127 | 390.132 | 390.217 | 2.55 |
| 128 | 391.784 | 391.806 | 2.79 |
| 129 | 392.908 | 392.921 | 2.80 |
| 130 | 392.965 | 393.188 | 3.36 |
| 131 | 393.310 | 393.317 | 2.75 |
| 132 | 393.420 | 393.486 | 2.93 |
| 133 | 393.577 | 394.634 | 2.94 |
| 134 | 395.725 | 396.778 | 3.32 |
| 135 | 397.002 | 397.304 | 3.06 |
| 136 | 397.628 | 397.910 | 3.27 |
| 137 | 398.888 | 399.895 | 2.76 |
| 138 | 399.904 | 399.920 | 2.79 |
| 139 | 399.926 | 399.967 | 2.84 |
| 140 | 400.030 | 400.039 | 2.78 |
| 141 | 402.548 | 402.583 | 2.83 |
| 142 | 403.999 | 404.065 | 2.91 |
| 143 | 406.944 | 408.001 | 3.02 |
| 144 | 410.170 | 417.199 | 2.80 |
| 145 | 422.010 | 424.032 | 2.81 |
| 146 | 426.155 | 429.173 | 2.79 |
| 147 | 430.705 | 432.708 | 2.80 |
| 148 | 444.424 | 454.440 | 2.82 |
| 149 | 455.863 | 460.897 | 2.85 |
| 150 | 461.036 | 462.036 | 2.98 |
| 151 | 462.051 | 463.061 | 2.79 |
| 152 | 463.076 | 464.083 | 2.77 |
| 153 | 464.937 | 464.943 | 2.77 |
| 154 | 464.956 | 464.989 | 2.76 |
| 155 | 465.006 | 465.037 | 2.88 |
| 156 | 465.053 | 465.056 | 3.32 |
| 157 | 465.072 | 465.094 | 2.22 |
| 158 | 466.103 | 466.106 | 2.76 |
| 159 | 467.132 | 467.254 | 2.95 |
| 160 | 467.533 | 467.565 | 2.81 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 161 | 467.587 | 467.603 | 2.81 |
| 162 | 467.618 | 467.621 | 2.76 |
| 163 | 467.634 | 467.669 | 2.78 |
| 164 | 469.082 | 469.085 | 2.75 |
| 165 | 469.097 | 469.273 | 3.01 |
| 166 | 469.352 | 469.358 | 2.75 |
| 167 | 469.797 | 469.801 | 2.76 |
| 168 | 469.901 | 470.739 | 3.32 |
| 169 | 471.688 | 471.933 | 3.99 |
| 170 | 471.958 | 471.977 | 3.35 |
| 171 | 472.253 | 472.281 | 2.99 |
| 172 | 472.297 | 472.328 | 2.85 |
| 173 | 472.853 | 472.875 | 2.81 |
| 174 | 474.043 | 474.080 | 2.87 |
| 175 | 474.467 | 474.517 | 2.98 |
| 176 | 474.542 | 474.821 | 3.25 |
| 177 | 475.475 | 475.528 | 2.87 |
| 178 | 476.373 | 476.432 | 2.90 |
| 179 | 476.457 | 476.461 | 2.96 |
| 180 | 476.467 | 476.483 | 2.80 |
| 181 | 476.526 | 476.542 | 2.78 |
| 182 | 478.461 | 478.476 | 2.77 |
| 183 | 480.050 | 480.081 | 2.82 |
| 184 | 480.125 | 480.156 | 2.85 |
| 185 | 480.169 | 480.178 | 2.79 |
| 186 | 481.513 | 481.519 | 2.15 |
| 187 | 483.152 | 483.202 | 2.80 |
| 188 | 484.530 | 484.621 | 2.68 |
| 189 | 486.173 | 486.226 | 2.99 |
| 190 | 486.348 | 486.355 | 2.76 |
| 191 | 486.458 | 486.524 | 2.99 |
| 192 | 490.607 | 492.736 | 2.83 |
| 193 | 494.749 | 496.793 | 2.77 |
| 194 | 499.878 | 507.047 | 2.81 |
| 195 | 503.057 | 519.057 | 2.75 |
| 196 | 520.170 | 523.192 | 2.76 |
| 197 | 523.267 | 524.014 | 3.11 |
| 198 | 524.379 | 525.082 | 3.05 |
| 199 | 526.621 | 526.630 | 3.09 |
| 200 | 526.737 | 526.787 | 2.73 |
| 201 | 526.850 | 526.979 | 2.87 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 202 | 527.170 | 527.428 | 2.98 |
| 203 | 527.484 | 527.497 | 2.75 |
| 204 | 529.107 | 529.669 | 3.30 |
| 205 | 533.441 | 533.723 | 3.12 |
| 206 | 535.285 | 537.112 | 3.88 |
| 207 | 537.959 | 537.984 | 3.32 |
| 208 | 539.984 | 542.700 | 3.27 |
| 209 | 544.691 | 545.043 | 3.34 |
| 210 | 546.443 | 549.762 | 3.29 |
| 211 | 550.120 | 550.560 | 3.11 |
| 212 | 552.141 | 552.252 | 3.81 |
| 213 | 552.294 | 552.601 | 3.03 |
| 214 | 556.620 | 556.630 | 3.77 |
| 215 | 556.701 | 559.787 | 3.95 |
| 216 | 566.850 | 569.979 | 2.87 |
| 217 | 577.170 | 587.428 | 2.98 |
| 218 | 587.484 | 587.497 | 2.76 |
| 219 | 588.727 | 588.764 | 2.45 |
| 220 | 589.082 | 589.126 | 2.90 |
| 221 | 590.198 | 591.280 | 2.85 |
| 222 | 593.260 | 593.294 | 2.80 |
| 223 | 594.289 | 595.001 | 2.99 |
| 224 | 595.211 | 595.219 | 2.80 |
| 225 | 595.289 | 595.311 | 2.80 |
| 226 | 595.313 | 595.675 | 2.99 |
| 227 | 595.775 | 596.256 | 2.88 |
| 228 | 596.331 | 596.852 | 2.77 |
| 229 | 597.005 | 597.985 | 3.22 |
| 230 | 598.526 | 600.852 | 3.01 |
| 231 | 604.982 | 606.100 | 3.23 |

## 钢丝绳（缆）在线无损定量检测报告

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## 配重端金属横截面积损失（LMA）

| 序 号 | 起始位置(米) | 终止位置(米) | 金属横截面积损失(LMA)% |
|-----|---------|---------|----------------|
| 1   | 0.000   | 1.801   | 2.74           |
| 2   | 1.833   | 1.949   | 2.83           |
| 3   | 2.184   | 2.203   | 2.87           |
| 4   | 2.313   | 2.373   | 2.91           |
| 5   | 3.779   | 3.786   | 2.75           |
| 6   | 3.801   | 3.833   | 2.82           |
| 7   | 4.118   | 4.131   | 3.00           |
| 8   | 4.621   | 4.718   | 3.36           |
| 9   | 5.714   | 5.723   | 3.66           |
| 10  | 6.015   | 6.065   | 3.16           |
| 11  | 6.119   | 6.395   | 2.90           |
| 12  | 10.320  | 10.326  | 3.10           |
| 13  | 10.741  | 10.753  | 3.01           |
| 14  | 12.166  | 12.195  | 2.77           |
| 15  | 14.804  | 15.027  | 2.93           |
| 16  | 19.555  | 19.652  | 2.76           |
| 17  | 19.661  | 19.743  | 2.79           |
| 18  | 20.010  | 20.019  | 2.75           |
| 19  | 20.026  | 20.032  | 3.50           |
| 20  | 20.760  | 20.770  | 2.88           |
| 21  | 20.858  | 20.902  | 2.93           |
| 22  | 21.319  | 21.357  | 3.12           |
| 23  | 21.753  | 21.753  | 3.05           |
| 24  | 21.768  | 21.976  | 3.04           |
| 25  | 22.067  | 22.073  | 3.50           |
| 26  | 23.417  | 23.445  | 2.97           |
| 27  | 23.533  | 23.583  | 2.94           |
| 28  | 23.806  | 23.878  | 2.88           |
| 29  | 27.819  | 27.982  | 3.16           |
| 30  | 27.992  | 27.998  | 2.91           |
| 31  | 42.361  | 42.367  | 2.97           |
| 32  | 42.477  | 42.483  | 2.84           |
| 33  | 42.496  | 42.496  | 3.53           |
| 34  | 42.605  | 42.643  | 2.96           |
| 35  | 43.286  | 44.500  | 2.94           |
| 36  | 47.254  | 52.903  | 3.24           |
| 37  | 52.925  | 52.944  | 3.05           |
| 38  | 52.956  | 52.978  | 2.93           |
| 39  | 52.988  | 61.990  | 2.77           |
| 40  | 62.034  | 62.050  | 3.18           |



## 钢丝绳（缆）在线无损定量检测报告

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|    |         |         |      |
|----|---------|---------|------|
| 41 | 49.877  | 52.902  | 2.81 |
| 42 | 62.178  | 62.185  | 2.76 |
| 43 | 62.247  | 62.257  | 2.81 |
| 44 | 62.615  | 63.211  | 2.89 |
| 45 | 63.902  | 63.918  | 3.10 |
| 46 | 64.585  | 64.644  | 2.85 |
| 47 | 64.732  | 64.742  | 2.78 |
| 48 | 65.751  | 65.757  | 2.76 |
| 49 | 68.521  | 68.530  | 2.79 |
| 50 | 69.314  | 70.352  | 2.82 |
| 51 | 72.374  | 75.430  | 2.87 |
| 52 | 97.226  | 99.254  | 2.81 |
| 53 | 102.565 | 106.593 | 2.81 |
| 54 | 108.133 | 110.168 | 2.83 |
| 55 | 115.179 | 123.195 | 2.78 |
| 56 | 125.205 | 127.233 | 2.88 |
| 57 | 127.324 | 136.362 | 2.88 |
| 58 | 145.352 | 155.352 | 2.75 |
| 59 | 155.374 | 160.403 | 2.85 |
| 60 | 162.266 | 166.307 | 2.82 |
| 61 | 166.351 | 167.455 | 3.16 |
| 62 | 169.668 | 172.891 | 3.11 |
| 63 | 189.946 | 196.949 | 3.77 |
| 64 | 200.965 | 210.971 | 2.77 |
| 65 | 225.191 | 235.279 | 2.86 |
| 66 | 243.285 | 250.298 | 2.77 |
| 67 | 251.307 | 253.395 | 2.98 |
| 68 | 257.437 | 260.676 | 2.03 |
| 69 | 261.729 | 263.729 | 2.76 |
| 70 | 264.870 | 265.886 | 2.81 |
| 71 | 266.892 | 267.895 | 2.83 |
| 72 | 269.381 | 270.387 | 2.75 |
| 73 | 273.491 | 275.522 | 2.78 |
| 74 | 279.559 | 280.559 | 2.83 |
| 75 | 280.678 | 280.707 | 2.79 |
| 76 | 281.259 | 282.306 | 2.95 |
| 77 | 284.510 | 290.516 | 2.99 |
| 78 | 291.541 | 294.557 | 2.77 |
| 79 | 294.614 | 294.680 | 3.07 |
| 80 | 296.413 | 297.416 | 2.76 |

## 钢丝绳（缆）在线无损定量检测报告

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共 14 页第 11 页

|     |         |         |      |
|-----|---------|---------|------|
| 81  | 298.754 | 300.801 | 2.80 |
| 82  | 301.833 | 301.949 | 2.96 |
| 83  | 302.184 | 302.203 | 2.81 |
| 84  | 302.313 | 302.373 | 2.80 |
| 85  | 303.779 | 303.786 | 2.77 |
| 86  | 303.801 | 303.833 | 2.83 |
| 87  | 304.118 | 304.131 | 2.79 |
| 88  | 304.621 | 304.718 | 2.62 |
| 89  | 306.714 | 306.723 | 2.77 |
| 90  | 308.015 | 308.165 | 2.83 |
| 91  | 309.119 | 309.395 | 3.19 |
| 92  | 310.000 | 310.326 | 2.55 |
| 93  | 310.741 | 311.753 | 2.81 |
| 94  | 312.166 | 313.195 | 2.80 |
| 95  | 314.804 | 315.027 | 3.03 |
| 96  | 316.555 | 316.652 | 3.00 |
| 97  | 316.661 | 317.743 | 2.25 |
| 98  | 318.010 | 319.019 | 2.77 |
| 99  | 319.026 | 320.032 | 2.98 |
| 100 | 320.760 | 320.770 | 2.78 |
| 101 | 320.858 | 320.902 | 2.80 |
| 102 | 321.319 | 321.357 | 2.92 |
| 103 | 321.753 | 321.756 | 2.76 |
| 104 | 321.788 | 321.976 | 3.07 |
| 105 | 322.067 | 322.073 | 2.77 |
| 106 | 323.417 | 323.445 | 3.00 |
| 107 | 323.533 | 323.583 | 2.89 |
| 108 | 323.806 | 325.878 | 2.91 |
| 109 | 327.819 | 328.982 | 2.98 |
| 110 | 329.992 | 333.998 | 2.78 |
| 111 | 335.361 | 337.367 | 2.76 |
| 112 | 337.477 | 339.483 | 3.04 |
| 113 | 340.496 | 342.496 | 2.76 |
| 114 | 343.605 | 349.643 | 2.86 |
| 115 | 353.279 | 357.291 | 2.81 |
| 116 | 360.808 | 362.808 | 2.75 |
| 117 | 365.830 | 368.836 | 3.31 |
| 118 | 370.849 | 375.858 | 2.78 |
| 119 | 375.893 | 379.009 | 3.91 |
| 120 | 380.151 | 382.185 | 2.90 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 383.314 | 384.327 | 2.78 |
| 122 | 384.415 | 385.531 | 3.09 |
| 123 | 387.575 | 388.619 | 2.88 |
| 124 | 389.165 | 389.181 | 2.79 |
| 125 | 389.599 | 389.611 | 2.78 |
| 126 | 389.621 | 389.630 | 3.32 |
| 127 | 390.132 | 390.217 | 2.55 |
| 128 | 391.784 | 391.806 | 2.79 |
| 129 | 392.908 | 392.921 | 2.80 |
| 130 | 392.965 | 393.188 | 3.36 |
| 131 | 393.310 | 393.317 | 2.75 |
| 132 | 393.420 | 393.486 | 2.93 |
| 133 | 393.577 | 394.634 | 2.94 |
| 134 | 395.725 | 396.778 | 3.32 |
| 135 | 397.002 | 397.304 | 3.06 |
| 136 | 397.628 | 397.910 | 3.27 |
| 137 | 398.888 | 399.895 | 2.76 |
| 138 | 399.904 | 399.920 | 2.79 |
| 139 | 399.926 | 399.967 | 2.84 |
| 140 | 400.030 | 400.039 | 2.78 |
| 141 | 402.548 | 402.583 | 2.83 |
| 142 | 403.999 | 404.065 | 2.91 |
| 143 | 406.944 | 408.001 | 3.02 |
| 144 | 410.170 | 417.199 | 2.80 |
| 145 | 422.010 | 424.032 | 2.81 |
| 146 | 426.155 | 429.173 | 2.79 |
| 147 | 430.705 | 432.708 | 2.80 |
| 148 | 444.424 | 454.440 | 2.82 |
| 149 | 455.863 | 460.897 | 2.85 |
| 150 | 461.036 | 462.036 | 2.98 |
| 151 | 462.051 | 463.061 | 2.79 |
| 152 | 463.076 | 464.083 | 2.77 |
| 153 | 464.937 | 464.943 | 2.77 |
| 154 | 464.956 | 464.989 | 2.76 |
| 155 | 465.006 | 465.037 | 2.88 |
| 156 | 465.053 | 465.056 | 3.32 |
| 157 | 465.072 | 465.094 | 2.22 |
| 158 | 466.103 | 466.106 | 2.76 |
| 159 | 467.132 | 467.254 | 2.95 |
| 160 | 467.533 | 467.565 | 2.81 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 161 | 467.587 | 467.603 | 2.81 |
| 162 | 467.618 | 467.621 | 2.76 |
| 163 | 467.634 | 467.669 | 2.78 |
| 164 | 469.082 | 469.085 | 2.75 |
| 165 | 469.097 | 469.273 | 3.01 |
| 166 | 469.352 | 469.358 | 2.75 |
| 167 | 469.797 | 469.801 | 2.76 |
| 168 | 469.901 | 470.739 | 3.32 |
| 169 | 471.688 | 471.933 | 3.99 |
| 170 | 471.958 | 471.977 | 3.35 |
| 171 | 472.253 | 472.281 | 2.99 |
| 172 | 472.297 | 472.328 | 2.85 |
| 173 | 472.853 | 472.875 | 2.81 |
| 174 | 474.043 | 474.080 | 2.87 |
| 175 | 474.467 | 474.517 | 2.98 |
| 176 | 474.542 | 474.821 | 3.25 |
| 177 | 475.475 | 475.528 | 2.87 |
| 178 | 476.373 | 476.432 | 2.90 |
| 179 | 476.457 | 476.461 | 2.96 |
| 180 | 476.467 | 476.483 | 2.80 |
| 181 | 476.526 | 476.542 | 2.78 |
| 182 | 478.461 | 478.476 | 2.77 |
| 183 | 480.050 | 480.081 | 2.82 |
| 184 | 480.125 | 480.156 | 2.85 |
| 185 | 480.169 | 480.178 | 2.79 |
| 186 | 481.513 | 481.519 | 2.15 |
| 187 | 483.152 | 483.202 | 2.80 |
| 188 | 484.530 | 484.621 | 2.68 |
| 189 | 486.173 | 486.226 | 2.99 |
| 190 | 486.348 | 486.355 | 2.76 |
| 191 | 486.458 | 486.524 | 2.99 |
| 192 | 490.607 | 492.736 | 2.83 |
| 193 | 494.749 | 496.793 | 2.77 |
| 194 | 499.878 | 507.047 | 2.81 |
| 195 | 503.057 | 519.057 | 2.75 |
| 196 | 520.170 | 523.192 | 2.76 |
| 197 | 523.267 | 524.014 | 3.11 |
| 198 | 524.379 | 525.082 | 3.05 |
| 199 | 526.621 | 526.630 | 3.09 |
| 200 | 526.737 | 526.787 | 2.73 |
| 201 | 526.850 | 526.979 | 2.87 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 202 | 527.170 | 527.428 | 2.98 |
| 203 | 527.484 | 527.497 | 2.75 |
| 204 | 529.107 | 529.669 | 3.30 |
| 205 | 533.441 | 533.723 | 3.12 |
| 206 | 535.285 | 537.112 | 3.88 |
| 207 | 537.959 | 537.984 | 3.32 |
| 208 | 539.984 | 542.700 | 3.27 |
| 209 | 544.691 | 545.043 | 3.34 |
| 210 | 546.443 | 549.762 | 3.29 |
| 211 | 550.120 | 550.560 | 3.11 |
| 212 | 552.141 | 552.252 | 3.81 |
| 213 | 552.294 | 552.601 | 3.03 |
| 214 | 556.620 | 556.630 | 3.77 |
| 215 | 556.701 | 559.787 | 3.95 |
| 216 | 566.850 | 569.979 | 2.87 |
| 217 | 577.170 | 587.428 | 2.98 |
| 218 | 587.484 | 587.497 | 2.76 |
| 219 | 588.727 | 588.764 | 2.45 |
| 220 | 589.082 | 589.126 | 2.90 |
| 221 | 590.198 | 591.280 | 2.85 |
| 222 | 593.260 | 593.294 | 2.80 |
| 223 | 594.289 | 595.001 | 2.99 |
| 224 | 595.211 | 595.219 | 2.80 |
| 225 | 595.289 | 595.311 | 2.80 |
| 226 | 595.313 | 595.675 | 2.99 |
| 227 | 595.775 | 596.256 | 2.88 |
| 228 | 596.331 | 596.852 | 2.77 |
| 229 | 597.005 | 597.985 | 3.22 |
| 230 | 598.526 | 600.852 | 3.01 |
| 231 | 604.982 | 606.100 | 3.23 |

本报告结束



蒙 应急 21 02

报告编号：安德 GSWS26/D-0128097

# 钢丝绳（缆）在线无损定量 检测报告

|         |                  |
|---------|------------------|
| 委托单位：   | 巴彦淖尔西部铜业有限公司     |
| 受检单位：   | 巴彦淖尔西部铜业有限公司     |
| 被检对象名称： | 钢丝绳（无损定量）        |
| 型号规格：   | 34×7+NF          |
| 检测检验类别： | 定期检测检验           |
| 检测检验日期： | 2026 年 01 月 28 日 |

赤峰安德检测检验有限公司



# 声 明



- 1、报告中检测检验数据仅对当时设备或来样负责。
- 2、报告中无主检、审核、批准人签字无效。
- 3、报告封面、首页、骑缝未盖“赤峰安德检测检验有限公司检测检验专用章”无效。
- 4、复制报告，封面、首页、骑缝未重新盖“赤峰安德检测检验有限公司检测检验专用章”无效。
- 5、报告涂改无效。
- 6、若对报告有异议，应于收到报告之日起十五日内向检测检验机构提出，逾期视为认可。

检测检验机构名称：赤峰安德检测检验有限公司

检测检验机构地址：内蒙古自治区赤峰市松山区北辰综合批发市场 A 区  
5#楼 9 层

邮政编码：024000

电话：0476-5670939

传真：0476-5670939



赤峰安德检测检验有限公司

钢丝绳（缆）在线无损定量检测报告

报告编号：安德 GSWS26/D-0128097

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|         |    |                                                                                                  |        |            |
|---------|----|--------------------------------------------------------------------------------------------------|--------|------------|
| 委托单位    | 名称 | 巴彦淖尔西部铜业有限公司                                                                                     |        |            |
|         | 地址 | 内蒙古自治区巴彦淖尔市乌拉特后旗获各琦苏木                                                                            |        |            |
| 规格型号    |    | 34×7+NF                                                                                          | 公称直径   | 47mm       |
| 提升用途    |    | 尾绳                                                                                               | 捻向     | 右交互捻       |
| 生产厂家    |    | 宁夏恒力钢丝绳股份有限公司                                                                                    |        |            |
| 检测检验地点  |    | 3#副井（3#尾绳）                                                                                       |        |            |
| 钢丝绳状态   |    | 在用                                                                                               | 检测检验日期 | 2026-01-28 |
| 检测检验类别  |    | 定期检测检验                                                                                           | 检测检验周期 | 壹年         |
| 受检单位    |    | 巴彦淖尔西部铜业有限公司                                                                                     |        |            |
| 检测检验项目  |    | 钢丝绳（缆）在线无损定量检测                                                                                   |        |            |
| 检测检验依据  |    | MT/T970-2005《钢丝绳（缆）在线无损定量检测方法和判定规则》                                                              |        |            |
| 存在问题及建议 |    | /                                                                                                |        |            |
| 检测检验结论  |    | <p>依据 MT/T970-2005《钢丝绳（缆）在线无损定量检测方法和判定规则》对该钢丝绳进行了检测检验。</p> <p>综合判定：合格</p> <p>签发日期：2026年1月30日</p> |        |            |
| 检测检验组成员 |    | 刘喜全 肖文轩 雷宇昕 杨艳柱                                                                                  |        |            |
| 备注      |    | /                                                                                                |        |            |

批准：

审核：

主检：

日期：2026.1.30

日期：2026.1.30

日期：2026.1.30



## 钢丝绳（缆）在线无损定量检测报告

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## 检测检验用仪器设备一览表

| 名称     | 设备唯一性编号 | 准确度                                                  | 检定/校准证书编号       |
|--------|---------|------------------------------------------------------|-----------------|
| 温湿度表   | CSB-206 | 精度（25℃）<br>温度：±0.3℃（Max±0.5℃）<br>湿度：±2%RH（Max±5%RH）  | ZS202601140027  |
| 钢丝绳探伤仪 | CSB-392 | 局部缺陷的定性检测准确率：98%<br>断丝定性检测准确率：100%<br>断丝定量检测准确率：≥98% | CD620-250869870 |

## 检测检验环境数据

|           |      |
|-----------|------|
| 环境温度（℃）   | 5.9  |
| 环境湿度（%RH） | 51.7 |



赤峰安德检测检验有限公司

钢丝绳（缆）在线无损定量检测报告

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罐笼金属横截面积损失（LMA）

| 序 号 | 起始位置(米) | 终止位置(米) | 金属横截面积损失(LMA)% |
|-----|---------|---------|----------------|
| 1   | 0.000   | 1.100   | 2.80           |
| 2   | 6.112   | 11.725  | 2.96           |
| 3   | 15.555  | 22.698  | 2.81           |
| 4   | 39.506  | 47.780  | 2.87           |
| 5   | 52.916  | 62.552  | 2.77           |
| 6   | 65.199  | 66.540  | 2.22           |
| 7   | 72.408  | 72.418  | 2.79           |
| 8   | 72.465  | 72.678  | 2.92           |
| 9   | 75.866  | 75.941  | 2.77           |
| 10  | 92.768  | 93.308  | 2.83           |
| 11  | 101.642 | 102.006 | 3.19           |
| 12  | 112.425 | 112.616 | 2.76           |
| 13  | 122.338 | 122.385 | 2.81           |
| 14  | 122.400 | 122.432 | 2.77           |
| 15  | 122.479 | 122.513 | 2.81           |
| 16  | 131.673 | 131.698 | 2.81           |
| 17  | 133.745 | 137.009 | 2.76           |
| 18  | 142.145 | 146.125 | 3.01           |
| 19  | 155.225 | 155.695 | 3.25           |
| 20  | 157.666 | 158.006 | 3.22           |
| 21  | 159.425 | 160.030 | 2.85           |
| 22  | 161.330 | 162.385 | 2.78           |
| 23  | 163.402 | 163.432 | 2.76           |
| 24  | 165.479 | 165.513 | 2.77           |
| 25  | 170.673 | 173.698 | 2.82           |
| 26  | 174.258 | 175.888 | 2.83           |
| 27  | 177.058 | 178.229 | 2.81           |
| 28  | 179.243 | 179.293 | 2.81           |
| 29  | 181.002 | 181.258 | 2.83           |
| 30  | 182.420 | 182.616 | 3.11           |
| 31  | 183.338 | 183.385 | 2.82           |
| 32  | 191.400 | 191.432 | 2.88           |
| 34  | 192.479 | 193.513 | 3.25           |
| 35  | 194.673 | 195.698 | 2.89           |
| 36  | 196.745 | 199.156 | 2.82           |
| 37  | 202.145 | 203.229 | 3.16           |
| 38  | 206.245 | 218.293 | 3.11           |
| 39  | 239.127 | 248.146 | 2.77           |
| 40  | 250.629 | 260.771 | 2.94           |

## 钢丝绳（缆）在线无损定量检测报告

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|    |         |         |      |
|----|---------|---------|------|
| 41 | 263.402 | 263.415 | 3.16 |
| 42 | 264.065 | 264.115 | 3.11 |
| 43 | 265.826 | 265.880 | 2.77 |
| 44 | 268.297 | 268.310 | 2.77 |
| 45 | 268.319 | 268.388 | 2.86 |
| 46 | 270.360 | 270.385 | 2.87 |
| 47 | 270.524 | 270.533 | 2.76 |
| 48 | 270.602 | 270.615 | 2.80 |
| 49 | 270.652 | 271.671 | 3.22 |
| 50 | 272.005 | 272.445 | 2.81 |
| 51 | 273.098 | 273.111 | 2.87 |
| 52 | 273.158 | 273.174 | 2.77 |
| 53 | 273.205 | 273.208 | 2.83 |
| 54 | 273.218 | 273.346 | 2.79 |
| 55 | 273.893 | 273.940 | 2.92 |
| 56 | 274.639 | 275.654 | 2.77 |
| 57 | 276.000 | 276.000 | 2.83 |
| 58 | 276.361 | 276.364 | 3.19 |
| 59 | 277.174 | 277.259 | 2.87 |
| 60 | 277.623 | 277.642 | 2.76 |
| 61 | 277.655 | 279.664 | 2.99 |
| 62 | 280.389 | 281.258 | 2.88 |
| 63 | 282.179 | 283.205 | 2.82 |
| 64 | 285.476 | 285.580 | 2.99 |
| 65 | 285.627 | 285.633 | 2.86 |
| 66 | 286.305 | 286.324 | 2.98 |
| 67 | 287.398 | 287.458 | 2.90 |
| 68 | 287.988 | 287.991 | 2.75 |
| 69 | 289.442 | 289.455 | 2.91 |
| 70 | 291.628 | 291.631 | 2.80 |
| 71 | 291.659 | 291.697 | 2.05 |
| 72 | 291.741 | 291.763 | 2.79 |
| 73 | 292.020 | 292.215 | 2.04 |
| 74 | 293.274 | 294.337 | 2.20 |
| 75 | 295.559 | 295.662 | 2.93 |
| 76 | 296.733 | 296.743 | 2.78 |
| 77 | 297.504 | 298.583 | 2.85 |
| 78 | 298.959 | 298.997 | 3.25 |
| 79 | 299.020 | 299.044 | 2.75 |
| 80 | 299.186 | 299.192 | 2.78 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 81  | 299.245 | 299.261 | 2.90 |
| 82  | 300.448 | 302.718 | 2.55 |
| 83  | 304.574 | 304.618 | 2.32 |
| 84  | 304.803 | 304.910 | 2.40 |
| 85  | 305.334 | 305.387 | 2.77 |
| 86  | 306.037 | 306.143 | 2.82 |
| 87  | 306.816 | 306.841 | 2.85 |
| 88  | 307.736 | 308.034 | 2.81 |
| 89  | 308.772 | 308.819 | 2.87 |
| 90  | 310.581 | 310.584 | 2.78 |
| 91  | 310.603 | 310.621 | 2.76 |
| 92  | 312.173 | 312.323 | 2.76 |
| 93  | 314.546 | 314.559 | 3.25 |
| 94  | 314.612 | 314.707 | 2.82 |
| 95  | 319.128 | 319.200 | 2.81 |
| 96  | 326.130 | 326.164 | 2.75 |
| 97  | 339.742 | 339.770 | 2.77 |
| 98  | 340.411 | 340.436 | 2.78 |
| 99  | 340.470 | 340.508 | 2.91 |
| 100 | 346.647 | 346.681 | 2.90 |
| 101 | 346.694 | 346.914 | 2.80 |
| 102 | 347.513 | 347.570 | 2.96 |
| 103 | 351.702 | 351.733 | 2.81 |
| 104 | 353.068 | 353.134 | 2.87 |
| 105 | 357.976 | 358.057 | 2.77 |
| 106 | 358.701 | 358.814 | 2.22 |
| 107 | 359.945 | 359.995 | 2.79 |
| 108 | 362.576 | 362.679 | 2.92 |
| 109 | 362.975 | 362.987 | 2.77 |
| 110 | 363.615 | 363.703 | 2.83 |
| 111 | 365.342 | 365.348 | 3.19 |
| 112 | 365.358 | 365.455 | 2.76 |
| 113 | 365.531 | 365.562 | 2.81 |
| 114 | 366.611 | 366.746 | 2.77 |
| 115 | 367.314 | 367.361 | 2.81 |
| 116 | 369.955 | 370.068 | 2.81 |
| 117 | 371.836 | 371.839 | 2.76 |
| 118 | 372.527 | 372.530 | 3.01 |
| 119 | 372.549 | 372.552 | 3.25 |
| 120 | 374.759 | 374.784 | 3.22 |



## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 375.560 | 375.566 | 2.91 |
| 122 | 376.640 | 376.678 | 2.79 |
| 123 | 377.249 | 377.456 | 2.80 |
| 124 | 379.092 | 379.136 | 2.84 |
| 125 | 380.747 | 380.829 | 2.09 |
| 126 | 386.430 | 386.452 | 2.97 |
| 127 | 389.288 | 389.473 | 2.76 |
| 128 | 389.834 | 390.026 | 2.83 |
| 129 | 390.547 | 390.770 | 2.82 |
| 130 | 390.955 | 391.024 | 2.95 |
| 131 | 391.703 | 391.806 | 2.85 |
| 132 | 391.841 | 391.847 | 2.90 |
| 133 | 392.610 | 392.754 | 2.76 |
| 134 | 393.590 | 393.825 | 2.92 |
| 135 | 394.318 | 394.528 | 2.93 |
| 136 | 394.745 | 394.817 | 2.78 |
| 137 | 395.075 | 395.100 | 2.81 |
| 138 | 395.139 | 395.150 | 3.13 |
| 139 | 395.552 | 395.998 | 3.81 |
| 140 | 396.466 | 396.469 | 2.76 |
| 141 | 396.488 | 396.532 | 3.01 |
| 142 | 396.805 | 396.855 | 2.88 |
| 143 | 397.100 | 397.166 | 2.79 |
| 144 | 397.179 | 397.179 | 2.78 |
| 145 | 397.574 | 397.574 | 2.78 |
| 146 | 397.643 | 397.929 | 2.94 |
| 147 | 398.275 | 398.909 | 2.76 |
| 148 | 399.289 | 399.304 | 3.02 |
| 149 | 399.330 | 399.399 | 2.92 |
| 150 | 399.427 | 399.455 | 2.80 |
| 151 | 400.049 | 400.300 | 2.82 |
| 152 | 402.096 | 402.457 | 2.91 |
| 153 | 403.434 | 403.572 | 2.90 |
| 154 | 404.046 | 404.310 | 2.78 |
| 155 | 404.624 | 404.809 | 2.01 |
| 156 | 405.946 | 406.137 | 2.88 |
| 157 | 406.357 | 406.376 | 2.79 |
| 158 | 406.420 | 407.125 | 2.78 |
| 159 | 407.172 | 408.206 | 2.78 |
| 160 | 408.250 | 408.258 | 2.22 |

## 钢丝绳（缆）在线无损定量检测报告

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|     |         |         |      |
|-----|---------|---------|------|
| 161 | 408.304 | 408.458 | 2.78 |
| 162 | 408.470 | 408.492 | 2.94 |
| 163 | 408.819 | 408.875 | 2.87 |
| 164 | 409.497 | 409.770 | 2.81 |
| 165 | 410.131 | 410.542 | 2.82 |
| 166 | 410.753 | 410.872 | 2.98 |
| 167 | 411.290 | 411.293 | 2.82 |
| 168 | 411.309 | 411.322 | 2.77 |
| 169 | 411.331 | 411.459 | 2.85 |
| 170 | 411.660 | 411.692 | 2.78 |
| 171 | 411.905 | 411.915 | 2.76 |
| 172 | 412.379 | 412.624 | 2.77 |
| 173 | 412.719 | 412.731 | 2.82 |
| 174 | 412.810 | 413.023 | 2.83 |
| 175 | 413.422 | 413.447 | 2.81 |
| 176 | 413.824 | 413.915 | 2.81 |
| 177 | 413.943 | 413.987 | 2.83 |
| 178 | 414.000 | 414.025 | 2.78 |
| 179 | 414.282 | 414.530 | 2.82 |
| 180 | 414.760 | 414.782 | 2.88 |
| 181 | 414.866 | 414.910 | 2.91 |
| 182 | 415.645 | 415.702 | 2.95 |
| 183 | 415.962 | 415.979 | 2.99 |
| 184 | 416.556 | 416.747 | 2.77 |
| 185 | 417.058 | 417.180 | 2.78 |
| 186 | 417.498 | 417.554 | 2.90 |
| 187 | 417.567 | 417.576 | 2.78 |
| 188 | 417.670 | 417.937 | 3.01 |
| 189 | 418.327 | 418.440 | 2.88 |
| 190 | 418.779 | 418.785 | 2.79 |
| 191 | 418.838 | 418.860 | 2.78 |
| 192 | 418.873 | 418.986 | 2.77 |
| 193 | 419.338 | 419.369 | 2.78 |
| 194 | 419.422 | 419.451 | 2.90 |
| 195 | 419.495 | 419.517 | 2.78 |
| 196 | 420.380 | 420.437 | 3.01 |
| 197 | 421.404 | 421.525 | 2.88 |
| 198 | 421.749 | 421.978 | 2.79 |
| 199 | 422.427 | 422.638 | 2.78 |
| 200 | 422.839 | 422.870 | 2.77 |

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|     |         |         |      |
|-----|---------|---------|------|
| 201 | 423.796 | 423.900 | 2.87 |
| 202 | 424.581 | 424.889 | 2.78 |
| 203 | 424.980 | 425.027 | 2.76 |
| 204 | 425.404 | 425.549 | 2.76 |
| 205 | 425.775 | 425.809 | 3.25 |
| 206 | 426.557 | 426.889 | 2.82 |
| 207 | 427.495 | 427.527 | 2.81 |
| 208 | 427.599 | 427.630 | 2.75 |
| 209 | 428.073 | 428.167 | 2.76 |
| 210 | 428.189 | 428.205 | 2.81 |
| 211 | 428.218 | 428.233 | 2.89 |
| 212 | 428.651 | 428.918 | 3.10 |
| 213 | 429.216 | 429.426 | 3.11 |
| 214 | 429.888 | 430.026 | 2.82 |
| 215 | 430.076 | 430.086 | 2.75 |
| 216 | 430.155 | 430.350 | 2.90 |
| 217 | 430.824 | 431.078 | 2.78 |
| 218 | 431.094 | 431.100 | 2.85 |
| 219 | 431.153 | 431.204 | 2.79 |
| 220 | 432.004 | 432.309 | 2.76 |
| 221 | 432.318 | 432.494 | 2.14 |
| 222 | 433.022 | 433.116 | 2.77 |
| 223 | 433.414 | 433.464 | 2.76 |
| 224 | 433.527 | 433.537 | 2.79 |
| 225 | 434.168 | 434.378 | 2.29 |
| 226 | 434.391 | 434.444 | 2.08 |
| 227 | 435.063 | 435.078 | 2.78 |
| 228 | 435.609 | 435.845 | 2.99 |
| 229 | 435.870 | 435.885 | 2.95 |
| 230 | 436.115 | 436.287 | 2.89 |
| 231 | 436.962 | 437.009 | 2.76 |
| 232 | 437.125 | 437.484 | 3.09 |
| 233 | 437.499 | 437.518 | 2.78 |
| 234 | 438.101 | 438.514 | 2.77 |
| 235 | 438.906 | 438.966 | 2.75 |
| 236 | 439.060 | 439.104 | 2.85 |
| 237 | 439.148 | 439.641 | 2.77 |
| 238 | 439.895 | 439.952 | 2.75 |
| 239 | 440.388 | 440.636 | 2.76 |
| 240 | 440.884 | 440.922 | 2.74 |



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|     |         |         |      |
|-----|---------|---------|------|
| 241 | 440.963 | 440.997 | 2.78 |
| 242 | 441.114 | 441.176 | 2.75 |
| 243 | 441.198 | 441.343 | 2.83 |
| 244 | 441.380 | 441.424 | 2.76 |
| 245 | 441.977 | 442.008 | 2.81 |
| 246 | 442.040 | 442.081 | 2.76 |
| 247 | 442.131 | 442.178 | 2.79 |
| 248 | 442.646 | 442.652 | 2.91 |
| 249 | 442.665 | 442.869 | 2.65 |
| 250 | 443.186 | 443.233 | 2.87 |
| 251 | 443.271 | 443.315 | 2.85 |
| 252 | 444.370 | 444.398 | 2.89 |
| 253 | 444.633 | 444.803 | 2.76 |
| 254 | 445.312 | 445.343 | 2.80 |
| 255 | 445.560 | 445.582 | 2.87 |
| 256 | 445.714 | 445.729 | 2.78 |
| 257 | 446.257 | 446.291 | 2.41 |
| 258 | 446.323 | 446.373 | 2.80 |
| 259 | 446.480 | 446.546 | 2.82 |
| 260 | 446.571 | 446.684 | 2.78 |
| 261 | 447.183 | 447.588 | 2.19 |
| 262 | 448.819 | 448.835 | 2.83 |
| 263 | 448.844 | 448.945 | 2.80 |
| 264 | 449.441 | 449.472 | 2.87 |
| 265 | 449.504 | 449.652 | 2.75 |
| 266 | 449.956 | 450.103 | 2.83 |
| 267 | 450.568 | 450.961 | 2.79 |
| 268 | 451.658 | 451.689 | 2.79 |
| 269 | 451.695 | 451.705 | 2.77 |
| 270 | 451.755 | 451.818 | 2.88 |
| 271 | 451.824 | 451.840 | 2.54 |
| 272 | 451.852 | 451.899 | 2.97 |
| 273 | 452.160 | 452.298 | 2.78 |
| 274 | 452.716 | 452.933 | 2.76 |
| 275 | 453.576 | 453.761 | 2.09 |
| 276 | 454.999 | 455.200 | 2.77 |
| 277 | 456.047 | 456.154 | 2.81 |
| 278 | 458.073 | 458.123 | 2.78 |
| 279 | 458.145 | 458.205 | 2.39 |
| 280 | 458.418 | 458.497 | 2.83 |



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|     |         |         |      |
|-----|---------|---------|------|
| 281 | 459.206 | 459.476 | 2.19 |
| 282 | 459.897 | 459.900 | 3.26 |
| 283 | 459.913 | 459.982 | 2.79 |
| 284 | 460.318 | 460.525 | 2.79 |
| 285 | 461.313 | 461.712 | 2.83 |
| 286 | 462.243 | 462.437 | 2.97 |
| 287 | 462.497 | 462.500 | 2.87 |
| 288 | 462.569 | 462.625 | 3.02 |
| 289 | 462.739 | 462.943 | 2.94 |
| 290 | 463.624 | 464.001 | 2.77 |
| 291 | 464.441 | 464.626 | 3.11 |
| 292 | 465.392 | 465.392 | 2.82 |
| 293 | 465.785 | 465.794 | 2.75 |
| 294 | 465.810 | 465.882 | 2.90 |
| 295 | 466.406 | 466.431 | 2.78 |
| 296 | 466.836 | 466.893 | 2.85 |
| 297 | 467.132 | 467.135 | 2.79 |
| 298 | 467.420 | 467.530 | 2.76 |
| 299 | 467.835 | 467.847 | 3.14 |
| 300 | 467.885 | 467.983 | 2.77 |
| 301 | 468.661 | 468.896 | 2.76 |
| 302 | 468.915 | 468.950 | 2.79 |
| 303 | 469.001 | 469.003 | 2.29 |
| 304 | 470.279 | 470.291 | 2.08 |
| 305 | 470.808 | 470.808 | 3.11 |
| 306 | 473.830 | 473.836 | 2.82 |
| 307 | 478.849 | 478.858 | 2.75 |
| 308 | 479.737 | 480.756 | 2.80 |
| 309 | 481.926 | 485.951 | 2.79 |
| 310 | 488.970 | 489.051 | 2.89 |
| 311 | 492.152 | 499.698 | 2.86 |
| 312 | 500.968 | 511.326 | 2.46 |
| 313 | 518.601 | 518.720 | 2.78 |
| 314 | 521.088 | 523.079 | 2.36 |
| 315 | 524.668 | 525.600 | 2.91 |
| 316 | 526.610 | 526.663 | 2.65 |
| 317 | 527.704 | 527.823 | 2.87 |
| 318 | 528.564 | 528.586 | 2.85 |
| 319 | 528.737 | 528.756 | 2.89 |
| 320 | 529.969 | 530.178 | 2.76 |

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|     |         |         |      |
|-----|---------|---------|------|
| 321 | 530.206 | 530.238 | 2.79 |
| 322 | 530.288 | 530.922 | 2.82 |
| 333 | 531.329 | 532.276 | 2.25 |
| 334 | 532.719 | 532.938 | 2.77 |
| 335 | 533.979 | 535.023 | 2.75 |
| 336 | 536.083 | 536.121 | 2.35 |
| 337 | 536.155 | 537.001 | 2.86 |
| 338 | 537.224 | 537.268 | 2.75 |
| 339 | 537.312 | 537.903 | 2.76 |
| 340 | 537.937 | 537.978 | 2.78 |
| 341 | 538.006 | 538.198 | 2.75 |
| 342 | 539.959 | 540.123 | 2.83 |
| 343 | 540.666 | 540.776 | 2.76 |
| 344 | 541.317 | 543.011 | 2.81 |
| 345 | 545.946 | 546.690 | 2.86 |
| 346 | 547.249 | 548.258 | 2.46 |
| 347 | 548.290 | 548.331 | 2.78 |
| 348 | 548.378 | 548.409 | 2.36 |
| 349 | 548.431 | 548.447 | 2.91 |
| 350 | 549.241 | 549.266 | 2.65 |
| 351 | 549.294 | 549.593 | 2.87 |
| 352 | 550.787 | 552.362 | 2.85 |
| 353 | 553.854 | 554.321 | 2.89 |
| 354 | 555.652 | 555.686 | 2.76 |
| 355 | 556.774 | 556.812 | 2.80 |
| 356 | 556.937 | 556.937 | 2.79 |
| 357 | 557.794 | 557.804 | 2.82 |
| 358 | 558.498 | 558.777 | 2.25 |
| 359 | 559.012 | 559.622 | 2.77 |
| 360 | 560.457 | 560.498 | 2.75 |
| 361 | 561.715 | 561.710 | 2.35 |
| 362 | 562.738 | 562.754 | 2.86 |
| 363 | 564.898 | 564.946 | 2.75 |
| 364 | 566.533 | 566.624 | 2.76 |
| 365 | 567.434 | 567.695 | 2.78 |
| 366 | 568.502 | 568.536 | 2.75 |
| 367 | 568.599 | 568.627 | 2.83 |
| 368 | 568.649 | 568.712 | 2.76 |
| 369 | 568.731 | 568.784 | 2.81 |
| 370 | 569.803 | 569.844 | 2.80 |

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|     |         |         |      |
|-----|---------|---------|------|
| 121 | 575.489 | 575.639 | 2.41 |
| 122 | 576.603 | 577.845 | 2.80 |
| 123 | 578.101 | 578.205 | 2.88 |
| 124 | 578.265 | 578.334 | 3.16 |
| 125 | 578.409 | 578.465 | 3.09 |
| 126 | 579.181 | 579.200 | 3.05 |
| 127 | 579.326 | 579.370 | 3.00 |
| 128 | 579.461 | 579.492 | 2.89 |
| 129 | 581.496 | 581.502 | 2.86 |
| 130 | 581.518 | 581.543 | 2.46 |
| 131 | 581.562 | 581.618 | 2.78 |
| 132 | 581.753 | 581.756 | 2.36 |
| 133 | 582.774 | 582.808 | 2.91 |
| 134 | 582.855 | 582.996 | 2.65 |
| 135 | 584.747 | 586.036 | 3.11 |
| 136 | 586.061 | 586.074 | 2.82 |
| 137 | 588.743 | 588.768 | 2.75 |
| 138 | 588.900 | 588.962 | 2.90 |
| 139 | 589.807 | 589.854 | 2.78 |
| 140 | 589.892 | 590.040 | 2.85 |
| 141 | 591.490 | 591.500 | 2.79 |
| 142 | 591.606 | 592.172 | 2.76 |
| 143 | 592.244 | 592.266 | 3.14 |
| 144 | 592.504 | 592.523 | 2.77 |
| 145 | 592.558 | 592.643 | 2.76 |
| 146 | 592.658 | 592.784 | 2.79 |
| 147 | 592.812 | 592.894 | 2.29 |
| 148 | 592.941 | 593.101 | 2.79 |
| 149 | 593.123 | 593.176 | 2.79 |
| 150 | 594.511 | 594.527 | 2.77 |
| 151 | 596.003 | 597.217 | 2.88 |
| 152 | 597.505 | 597.519 | 2.54 |
| 153 | 598.923 | 598.954 | 2.97 |
| 154 | 599.963 | 601.008 | 2.78 |
| 155 | 603.174 | 603.262 | 2.76 |
| 156 | 603.287 | 603.413 | 2.09 |
| 157 | 603.422 | 603.548 | 2.77 |
| 158 | 606.057 | 606.082 | 2.79 |



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## 配重端金属横截面积损失（LMA）

| 序 号 | 起始位置(米) | 终止位置(米) | 金属横截面积损失(LMA)% |
|-----|---------|---------|----------------|
| 1   | 0.000   | 1.215   | 1.12           |
| 2   | 5.215   | 5.277   | 2.76           |
| 3   | 8.229   | 8.623   | 3.06           |
| 4   | 13.695  | 14.191  | 3.23           |
| 5   | 15.210  | 15.213  | 3.55           |
| 6   | 16.232  | 16.251  | 2.76           |
| 7   | 18.333  | 18.493  | 2.84           |
| 8   | 24.376  | 24.426  | 2.85           |
| 9   | 39.275  | 39.303  | 2.77           |
| 10  | 39.442  | 39.448  | 2.76           |
| 11  | 45.078  | 45.310  | 2.86           |
| 12  | 45.326  | 45.813  | 3.25           |
| 13  | 50.444  | 50.639  | 2.86           |
| 14  | 70.975  | 71.301  | 2.96           |
| 15  | 75.013  | 75.013  | 2.75           |
| 16  | 90.038  | 90.967  | 2.87           |
| 17  | 96.584  | 96.726  | 2.82           |
| 18  | 101.026 | 101.029 | 3.16           |
| 19  | 101.095 | 102.161 | 2.79           |
| 20  | 105.428 | 105.428 | 3.25           |
| 21  | 111.456 | 111.525 | 2.81           |
| 22  | 112.563 | 112.993 | 2.83           |
| 23  | 115.334 | 115.375 | 2.81           |
| 24  | 116.833 | 116.181 | 2.02           |
| 25  | 120.892 | 120.964 | 2.84           |
| 26  | 125.019 | 126.239 | 2.99           |
| 27  | 133.833 | 134.846 | 2.76           |
| 28  | 142.893 | 142.946 | 2.79           |
| 29  | 153.294 | 153.819 | 2.87           |
| 30  | 161.716 | 161.829 | 2.82           |
| 31  | 161.857 | 161.911 | 2.81           |
| 32  | 181.178 | 181.850 | 2.92           |
| 33  | 181.906 | 181.928 | 2.03           |
| 34  | 219.329 | 219.360 | 2.77           |
| 35  | 229.784 | 229.819 | 3.12           |
| 36  | 225.606 | 225.659 | 2.79           |
| 37  | 255.678 | 255.719 | 2.79           |
| 38  | 255.763 | 255.794 | 2.77           |
| 39  | 262.680 | 262.815 | 2.89           |
| 40  | 263.892 | 263.911 | 2.75           |

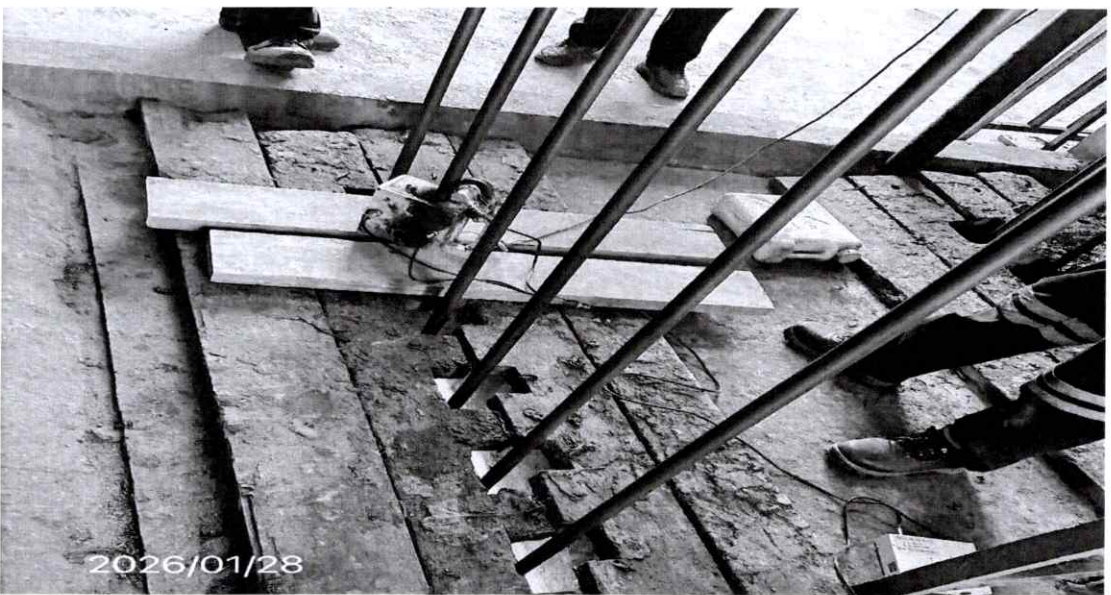
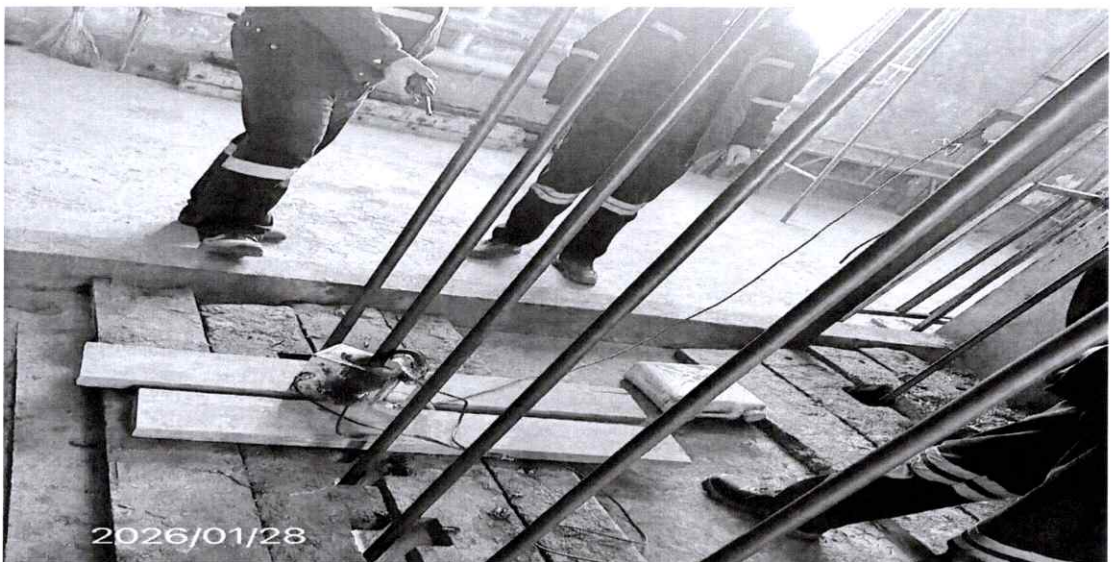
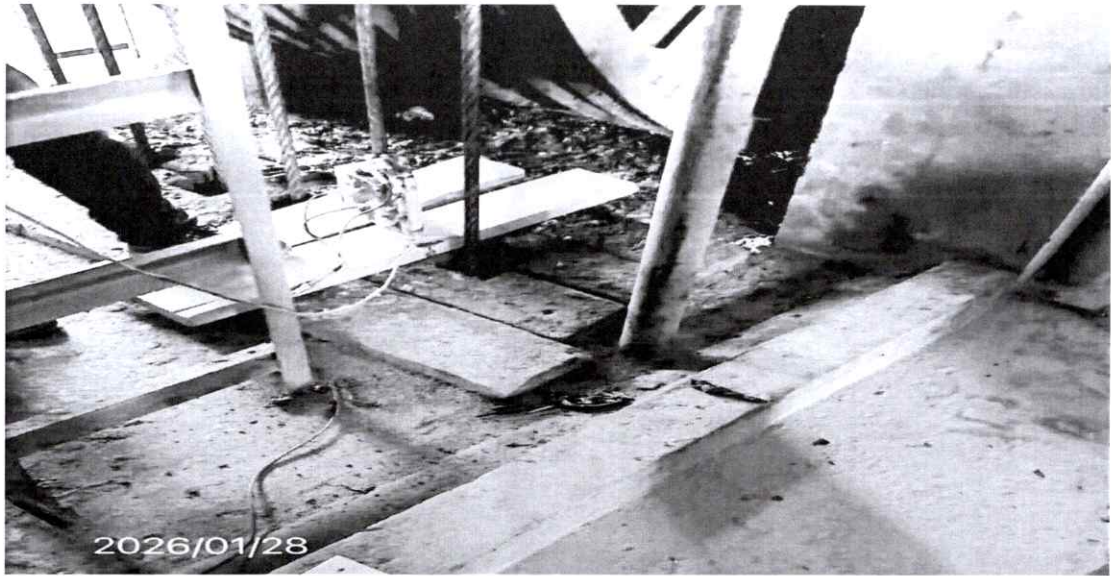


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|    |         |         |      |
|----|---------|---------|------|
| 41 | 263.939 | 264.052 | 2.81 |
| 42 | 264.071 | 264.100 | 2.78 |
| 43 | 314.693 | 314.712 | 2.76 |
| 44 | 314.743 | 314.812 | 3.22 |
| 45 | 325.133 | 325.151 | 2.76 |
| 46 | 365.192 | 365.230 | 2.77 |
| 47 | 365.271 | 365.299 | 2.77 |
| 48 | 365.330 | 365.560 | 2.83 |
| 49 | 366.045 | 366.296 | 3.32 |
| 50 | 367.324 | 367.450 | 2.83 |
| 51 | 375.338 | 375.378 | 2.77 |
| 52 | 382.438 | 382.579 | 3.14 |
| 53 | 395.642 | 395.667 | 2.76 |
| 54 | 399.239 | 399.257 | 2.78 |
| 55 | 399.512 | 399.587 | 2.92 |
| 56 | 400.463 | 400.545 | 2.95 |
| 57 | 406.263 | 406.266 | 2.76 |
| 58 | 406.307 | 406.319 | 2.79 |
| 59 | 406.338 | 406.476 | 2.98 |
| 60 | 407.126 | 407.164 | 2.91 |
| 61 | 410.703 | 410.737 | 2.82 |
| 62 | 413.064 | 413.098 | 2.90 |
| 63 | 416.502 | 416.534 | 2.85 |
| 64 | 417.642 | 417.692 | 2.89 |
| 65 | 418.615 | 418.628 | 2.80 |
| 66 | 418.647 | 418.653 | 2.78 |
| 67 | 418.666 | 418.675 | 2.78 |
| 68 | 419.404 | 419.485 | 2.86 |
| 69 | 419.557 | 419.586 | 2.83 |
| 70 | 421.363 | 421.391 | 2.85 |
| 71 | 421.703 | 421.719 | 3.25 |
| 72 | 421.732 | 421.738 | 3.03 |
| 73 | 425.870 | 425.880 | 2.97 |
| 74 | 426.498 | 426.592 | 2.03 |
| 75 | 428.002 | 428.074 | 3.03 |
| 76 | 432.753 | 432.759 | 3.16 |
| 77 | 434.279 | 434.304 | 2.09 |
| 78 | 442.355 | 442.393 | 2.05 |
| 79 | 481.753 | 481.768 | 2.00 |
| 80 | 501.056 | 501.119 | 2.76 |



八十八四九

