



2019-007338



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(2018)国认监认字(077)号



中国认可
国际互认
检测
TESTING
CNAS L0230

检 验 报 告

TEST REPORT

BETC-CL2-2019-02870

工程 / 产品名称
Name of Engineering/ Product Glued Hooked End Steel Fiber

委托单位
Client Tengzhou Star Smith Metal Products Co., Ltd

检验类别
Test Category Entrusted test

国家建筑工程质量监督检验中心
NATIONAL CENTER FOR QUALITY SUPERVISION
AND TEST OF BUILDING ENGINEERING



TEST REPORT OF NATIONAL CENTER FOR QUALITY SUPERVISION AND TEST OF BUILDING ENGINEERING



Commission No.: 2019-007338

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| | | | | |
|---|---|---|--------------|---------------------------------------|
| Client | | Tengzhou Star Smith Metal Products Co., Ltd | | |
| ADD. | | ----- | NO. | CL2-2019-02870 |
| Sample | Name | Glued Hooked End Steel Fiber | State | Normal |
| | Brand | ----- | Type/Model | SD75. Sort 1, Length 60mm, Class 1000 |
| Manufacturer | | Tengzhou Star Smith Metal Products Co., Ltd | | |
| Date of delivery | | 2019-08-13 | Quantity | one |
| Name of engineering | | ----- | | |
| Test | Item | Dimensions (length, diameter, aspect ratio), Tensile strength. | Place | Lab of Bei San Huan |
| | Instruments | Digital caliper, Electronic Universal Testing Machine, Lever micrometer. | Date | 2019-08-19~08-20 |
| Test based on | | YB/T 151-2017 "Stssl fibere for fiber reinforced concrete" GB/T 228.1-2010 "Metallic materials -tensile testing-part1: method of test at roon temperature" | | |
| Criteria based on | | YB/T 151-2017 "Stssl fibere for fiber reinforced concrete" | | |
| Conclusion | | | | |
| After testing, the test items are meet the technical requirements of YB/T 151-2017 "Stssl fibere for fiber reinforced concrete". (Following blank) | | | | |
| Remark | Forming method: Bonded in rows. Manufacturing No.:2019-08-02. | | | |
| Approval | Verification | Chief tester | Tel. | Date |
| | | | 010-84283858 | 2019-08-20 |



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| NO. | Test item | Performance index | Test result (Sort I , Class 1000) | Conclusion | |
|-------------------|---|------------------------------|---|-----------------|-----------|
| 1 | Length | >30mm | Sample tolerance $\pm 3\text{mm}$ | 0.9mm~2.0mm | Qualified |
| | | | Mean tolerance $\pm 5\%$ | 2.3% | Qualified |
| | | | Sample Tolerance Qualification Rate $\geq 95\%$ | 100% | Qualified |
| 2 | Diameter | >0.30mm | Sample tolerance $\pm 0.02\text{mm}$ | -0.02mm~0.005mm | Qualified |
| | | | Mean tolerance $\pm 0.015\text{mm}$ | -0.004mm | Qualified |
| | | | Sample Tolerance Qualification Rate $\geq 95\%$ | 100% | Qualified |
| 3 | Aspect ratio | Sample tolerance $\pm 15\%$ | 2.5%~3.8% | Qualified | |
| | | Mean tolerance $\pm 7.5\%$ | 2.5% | Qualified | |
| 4 | Tensile strength | $1000 \leq R_m < 1300$, MPa | 1173 | Qualified | |
| | | Sample tolerance $\pm 10\%$ | -3%~7% | Qualified | |
| | | Mean tolerance $\pm 5\%$ | 2% | Qualified | |
| (Following blank) | | | | | |
| Remark | Benchmark value of tensile strength is 1150MPa. | | | | |