

|  |   |                       |
|--|---|-----------------------|
|  | <b>CHANGSHOU FIBER</b><br>Jiangyin Changshou Chemical Fiber & Textile Co., Ltd. | According to :        |
|  |   | Index :               |
|  |   | Date of last update : |

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| <b>POLYESTER STAPLE FIBERS</b><br><b>6,7dtex / 60mm Odor Free 180C 20 Min.</b> |
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|                   |  |                   |  |
|-------------------|--|-------------------|--|
| Company :         |  | Batch number :    |  |
| Report n° :       |  | Production date : |  |
| Color reference : |  | Article code :    |  |

| Test method/Norm                        | Characteristics                                  | Requirements   | Unit              | Results                                      | OK | NOK |
|---|--|--|-------------------|--|----|-----|
| DSC Method                              | <b>CHEMICAL NATURE</b>                           | 100% Polyester   | -                 |  | □  | □   |
| Microscope                              | <b>SECTION</b>                                   | round  | -                 |  | □  | □   |
| Wuzhong myi® Instruction SZH-I-PSS-R380 | <b>COLOR</b>                                     | conform to the master<br>$\Delta L \pm 0,5$ - $\Delta a \pm 0,3$ -<br>$\Delta b \pm 0,3$ | Cielab<br>D65/10  | $\Delta L =$<br>$\Delta a =$<br>$\Delta b =$ | □  | □   |
| BISFA testing method                    | <b>CUT LENGTH</b>                                | real value : 60<br>mini : 54<br>maxi : 66  | mm                | 64   | □  | □   |
| Favimat method ISO 1973                 | <b>LINEAR WEIGHT</b>                             | real value : 6,7<br>mini : 6<br>maxi : 7,4   | dTex              | 6,75   | □  | □   |
| Favimat method ISO 5079                 | <b>TENACITY</b>                                  | real value : 2,5<br>mini : 2,3<br>maxi : 3,0   | cN/dTex           | 2,35   | □  | □   |
| Favimat method ISO 5079                 | <b>ELONGATION AT RUPTURE</b>                     | real value : 75<br>mini : 60<br>maxi : 105   | %                 | 70,6   | □  | □   |
| Favimat method ASTM D 3937              | <b>NUMBER OF CRIMPS</b>                          | real value : 3<br>mini : 2,6<br>maxi : 4   | crimps<br>/<br>cm | 4  | □  | □   |
| Favimat method                          | <b>CRIMPS EXTENSION</b>                          | $\geq 21$  | %                 |  | □  | □   |
| Edana method                            | <b>FINISH OIL LEVEL</b>                          | real value : 0,2<br>mini : 0,1<br>maxi : 0,3   | %                 | 0,22   | □  | □   |
| Certificate of conformity               | <b>TYPE OF OIL</b>                               | to be defined<br>by the supplier   | -                 |  | □  | □   |
| ASTM D 5104                             | <b>SHRINKAGE IN HOT AIR</b><br>20 min at 180°C   | $\leq 2$   | %                 | 2,2  | □  | □   |
| Wuzhong myi® Instruction SZH-I-PSS-R375 | <b>WELDED FIBERS</b>                             | maxi 10 welded fibers<br>per 100g  | nb                | 5  | □  | □   |
| Wuzhong myi® Instruction SZH-I-SPS-R714 | <b>BALES : PRESERVATION &amp; IDENTIFICATION</b> | conform to requirements.   | -                 |  | □  | □   |

|                     |  |             |   |
|---------------------|--|-------------|---|
| <b>Validation :</b> |  | <b>YES</b>  | <b>NO</b>   |
| Testing done by :   |  | Signature : | <b>CHANGSHOU FIBER</b><br>Jiangyin Changshou Chemical Fiber & Textile Co., Ltd.<br>No. 290, Yungu Road, Jiangyin City, Wuxi City, Jiangsu Province, China<br>Tel. +86 21 60 31 45 65   info@changshoufiber.com   www.changshoufiber.com |
| Approved by :       |  |             |   |
| Date :              |  |             |   |
| Send by email to :  |  |             |   |

If non-conformity, ask to SQA Quality for a derogation before delivery for approval

|  |   |                       |
|--|---|-----------------------|
|  | <b>CHANGSHOU FIBER</b><br>Jiangyin Changshou Chemical Fiber & Textile Co., Ltd. | According to :        |
|  |   | Index :               |
|  |   | Date of last update : |

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| <b>POLYESTER STAPLE FIBERS</b><br><b>6,7dtex / 60mm Automotive Standard 160C 15 Min.</b> |
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|                   |  |                   |  |
|-------------------|--|-------------------|--|
| Company :         |  | Batch number :    |  |
| Report n° :       |  | Production date : |  |
| Color reference : |  | Article code :    |  |

| Test method/Norm                        | Characteristics                                  | Requirements  | Unit              | Results                                      | OK | NOK |
|---|--|---|-------------------|--|----|-----|
| DSC Method                              | <b>CHEMICAL NATURE</b>                           | 100% Polyester  | -                 |  | □  | □   |
| Microscope                              | <b>SECTION</b>                                   | round   | -                 |  | □  | □   |
| Wuzhong myi® Instruction SZH-I-PSS-R380 | <b>COLOR</b>                                     | conform to the master<br>$\Delta L$ +/-0,5 - $\Delta a$ +/-0,3 -<br>$\Delta b$ +/-0,3 | Cielab<br>D65/10  | $\Delta L$ =<br>$\Delta a$ =<br>$\Delta b$ = | □  | □   |
| BISFA testing method                    | <b>CUT LENGTH</b>                                | real value : 60<br>mini : 54<br>maxi : 66   | mm                | 64   | □  | □   |
| Favimat method ISO 1973                 | <b>LINEAR WEIGHT</b>                             | real value : 6,7<br>mini : 6<br>maxi : 7,4  | dTex              | 6,75   | □  | □   |
| Favimat method ISO 5079                 | <b>TENACITY</b>                                  | real value : 2,5<br>mini : 2,3<br>maxi : 3,0  | cN/dTex           | 2,35   | □  | □   |
| Favimat method ISO 5079                 | <b>ELONGATION AT RUPTURE</b>                     | real value : 75<br>mini : 60<br>maxi : 105  | %                 | 70,6   | □  | □   |
| Favimat method ASTM D 3937              | <b>NUMBER OF CRIMPS</b>                          | real value : 3<br>mini : 2,6<br>maxi : 4  | crimps<br>/<br>cm | 4  | □  | □   |
| Favimat method                          | <b>CRIMPS EXTENSION</b>                          | ≥ 21  | %                 |  | □  | □   |
| Edana method                            | <b>FINISH OIL LEVEL</b>                          | real value : 0,2<br>mini : 0,1<br>maxi : 0,3  | %                 | 0,22   | □  | □   |
| Certificate of conformity               | <b>TYPE OF OIL</b>                               | to be defined<br>by the supplier  | -                 |  | □  | □   |
| ASTM D 5104                             | <b>SHRINKAGE IN HOT AIR</b><br>15 min at 160°C   | ≤ 3   | %                 | 2,2  | □  | □   |
| Wuzhong myi® Instruction SZH-I-PSS-R375 | <b>WELDED FIBERS</b>                             | maxi 10 welded fibers<br>per 100g   | nb                | 5  | □  | □   |
| Wuzhong myi® Instruction SZH-I-SPS-R714 | <b>BALES : PRESERVATION &amp; IDENTIFICATION</b> | conform to requirements.  | -                 |  | □  | □   |

|                     |  |             |   |
|---------------------|--|-------------|---|
| <b>Validation :</b> |  | <b>YES</b>  | <b>NO</b>   |
| Testing done by :   |  | Signature : | <b>CHANGSHOU FIBER</b><br>Jiangyin Changshou Chemical Fiber & Textile Co., Ltd.<br>No. 290, Yungu Road, Jiangyin City, Wuxi City, Jiangsu Province, China<br>Tel. +86 21 60 31 45 65   info@changshoufiber.com   www.changshoufiber.com |
| Approved by :       |  |             |   |
| Date :              |  |             |   |
| Send by email to :  |  |             |   |

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|  | <b>CHANGSHOU FIBER</b><br>Jiangyin Changshou Chemical Fiber & Textile Co., Ltd. | According to :<br>Index :<br>Date of last update : |
|--|---|--|

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|---|
| <b>POLYESTER STAPLE FIBERS</b><br><b>13dtex / 60mm Automotive Standard 160C 15 Min.</b> |
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|                   |  |                   |  |
|-------------------|--|-------------------|--|
| Company :         |  | Batch number :    |  |
| Report n° :       |  | Production date : |  |
| Color reference : |  | Article code :    |  |

| Test method/Norm                        | Characteristics                                  | Requirements   | Unit              | Results                                      | OK | NOK |
|---|--|--|-------------------|--|----|-----|
| DSC Method                              | <b>CHEMICAL NATURE</b>                           | 100% Polyester   | -                 |  |    |     |
| Microscope                              | <b>SECTION</b>                                   | round  | -                 |  | □  | □   |
| Wuzhong myi® Instruction SZH-I-PSS-R380 | <b>COLOR</b>                                     | conform to the master<br>$\Delta L \pm 0,5$ - $\Delta a \pm 0,3$ -<br>$\Delta b \pm 0,3$ | Cielab<br>D65/10  | $\Delta L =$<br>$\Delta a =$<br>$\Delta b =$ | □  | □   |
| BISFA testing method                    | <b>CUT LENGTH</b>                                | real value : 60<br>mini : 54<br>maxi : 66  | mm                | 64   | □  | □   |
| Favimat method ISO 1973                 | <b>LINEAR WEIGHT</b>                             | real value : 13<br>mini : 11,7<br>maxi : 14,3  | dTex              | 13,2   | □  | □   |
| Favimat method ISO 5079                 | <b>TENACITY</b>                                  | real value : 2.5<br>mini : 2.2<br>maxi : 3.0   | cN/dTex           | 2,35   | □  | □   |
| Favimat method ISO 5079                 | <b>ELONGATION AT RUPTURE</b>                     | real value : 75<br>mini : 60<br>maxi : 105   | %                 | 70   | □  | □   |
| Favimat method ASTM D 3937              | <b>NUMBER OF CRIMPS</b>                          | real value : 3<br>mini : 2,6<br>maxi : 4   | crimps<br>/<br>cm | 3,5  | □  | □   |
| Favimat method                          | <b>CRIMPS EXTENSION</b>                          | $\geq 21$  | %                 |  | □  | □   |
| Edana method                            | <b>FINISH OIL LEVEL</b>                          | real value : 0,2<br>mini : 0,1<br>maxi : 0,3   | %                 | 0,22   | □  | □   |
| Certificate of conformity               | <b>TYPE OF OIL</b>                               | to be defined<br>by the supplier   | -                 |  | □  | □   |
| ASTM D 5104                             | <b>SHRINKAGE IN HOT AIR</b><br>15 min at 160°C   | $\leq 3$   | %                 | 1,83   | □  | □   |
| Wuzhong myi® Instruction SZH-I-PSS-R375 | <b>WELDED FIBERS</b>                             | maxi 10 welded fibers<br>per 100g  | nb                | 4  | □  | □   |
| Wuzhong myi® Instruction SZH-I-SPS-R714 | <b>BALES : PRESERVATION &amp; IDENTIFICATION</b> | conform to Wuzhong myi®<br>Instruction   | -                 |  | □  | □   |

|                     |            |   |
|---------------------|------------|---|
| <b>Validation :</b> | <b>YES</b> | <b>NO</b>   |
| Testing done by :   |            | Comment :   |
| Approved by :       |            | <b>CHANGSHOU FIBER</b><br>Jiangyin Changshou Chemical Fiber & Textile Co., Ltd.<br>No. 290, Yungu Road, Jiangyin City, Wuxi City, Jiangsu Province, China<br>Tel. +86 21 60 31 45 65   info@changshoufiber.com   www.changshoufiber.com |
| Date :              |            |   |
| Send by email to :  |            |   |
|                     |            | Signature :   |

If non-conformity, ask to SQA Quality for a derogation before delivery for approval

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| <b>TEST REPORT</b> |
|--------------------|

|                            |   |             |  |
|----------------------------|---|-------------|--|
| <b>Article description</b> | Black 3 Denier 64 mm. Standard Quality with Masterbatch |             |  |
| <b>ARTICLE NUMBER</b>      |   |             |  |
| <b>LOT/ BATCH NUMBER</b>   | E1087A2   |             |  |
| <b>PRODUCTION DATE</b>     | 20.11.2019  |             |  |
| <b>Order number</b>        |   | <b>date</b> |  |
| <b>Invoice number</b>      |   | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 3.10    | 3.30                      | ± | 0.40 | ISO 5079    |
| Fiber length             | mm      | 62      | 64                        | ± | 2.00 | BISFA       |
| Tenacity                 | CN/dtex | 2.15    | 1.90                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 44      | 40                        | ± | 10   | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 4       | 5                         | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.23    | 0.20                      | ± | 0.02 | Edana       |

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| <b>TEST REPORT</b> |
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|                            |   |             |  |
|----------------------------|---|-------------|--|
| <b>Article description</b> | Black 6 Denier 64 mm. Economic Quality with Masterbatch |             |  |
| <b>ARTICLE NUMBER</b>      |   |             |  |
| <b>LOT/ BATCH NUMBER</b>   | EQ102232A2  |             |  |
| <b>PRODUCTION DATE</b>     | 10.11.2019  |             |  |
| <b>Order number</b>        |   | <b>date</b> |  |
| <b>Invoice number</b>      |   | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 6.90    | 6.70                      | ± | 0.20 | ISO 5079    |
| Fiber length             | mm      | 62      | 60                        | ± | 2.00 | BISFA       |
| Tenacity                 | CN/dtex | 1.90    | 1.80                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 40.9    | 40                        | ± | 10   | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 5.5     | 5                         | ± | 10   | ASTM D 5104 |
| Oil pick up              | %       | 0.22    | 0.20                      | ± | 0.02 | Edana       |

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| <b>TEST REPORT</b> |
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|                            |  |             |  |
|----------------------------|--|-------------|--|
| <b>Article description</b> | Black 12 Denier 64 mm. Economic Quality with Masterbatch |             |  |
| <b>ARTICLE NUMBER</b>      |  |             |  |
| <b>LOT/ BATCH NUMBER</b>   | EQ10943A2  |             |  |
| <b>PRODUCTION DATE</b>     | 17.11.2019   |             |  |
| <b>Order number</b>        |  | <b>date</b> |  |
| <b>Invoice number</b>      |  | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           |   |      |             |
| Titer                    | dtex    | 12.3    | 12.7                      | ± | 0.40 | ISO 5079    |
| Fiber length             | mm      | 62      | 60                        | ± | 2.00 | BISFA       |
| Tenacity                 | CN/dtex | 1.80    | 1.60                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 42.5    | 40                        | ± | 10   | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.5                       | ± | 0.5  | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 5.2     | 5                         | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.21    | 0.20                      | ± | 0.02 | Edana       |

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| <b>TEST REPORT</b> |
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|                            |  |             |  |
|----------------------------|--|-------------|--|
| <b>Article description</b> | Black 15 Denier 64 mm. Economic Quality with Masterbatch |             |  |
| <b>ARTICLE NUMBER</b>      |  |             |  |
| <b>LOT/ BATCH NUMBER</b>   | E17260A2   |             |  |
| <b>PRODUCTION DATE</b>     | 12.10.2019   |             |  |
| <b>Order number</b>        |  | <b>date</b> |  |
| <b>Invoice number</b>      |  | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 15.40   | 15.70                     | ± | 0.20 | ISO 5079    |
| Fiber length             | mm      | 61      | 60                        | ± | 5.00 | BISFA       |
| Tenacity                 | CN/dtex | 1.50    | 1.40                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 39      | 40                        | ± | 10   | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 5.67    | 5.0                       | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.22    | 0.20                      | ± | 0.02 | Edana       |

**CERTIFICATE OF ANALYSIS  
according to EN 10204-3.1**

|                            |  |             |  |
|----------------------------|--|-------------|--|
| <b>Article description</b> | Black 3 Denier 64 mm. Standard Quality |             |  |
| <b>Article number</b>      |  |             |  |
| <b>Lot/ Batch number</b>   | SQ9834S2                               |             |  |
| <b>Production date</b>     | 12.12.2019                             |             |  |
| <b>Order number</b>        |  | <b>date</b> |  |
| <b>Invoice number</b>      |  | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 3.0     | 3.30                      | ± | 0.30 | ISO 5079    |
| Fiber length             | mm      | 60      | 64                        | ± | 1.00 | BISFA       |
| Tenacity                 | CN/dtex | 2.40    | 2.30                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 40.81   | 45.00                     | ± | 5    | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 4       | 3.00                      | ± | 10   | ASTM D 5104 |
| Oil pick up              | %       | 0.22    | 0.20                      | ± | 0.02 | Edana       |



**CERTIFICATE OF ANALYSIS  
according to EN 10204-3.1**

|                            |  |             |  |
|----------------------------|--|-------------|--|
| <b>Article description</b> | Black 6 Denier 64 mm. Standard Quality |             |  |
| <b>Article number</b>      |  |             |  |
| <b>Lot/ Batch number</b>   | SQ767342                               |             |  |
| <b>Production date</b>     | 28.11.2019                             |             |  |
| <b>Order number</b>        |  | <b>date</b> |  |
| <b>Invoice number</b>      |  | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 6.43    | 6.70                      | ± | 0.27 | ISO 5079    |
| Fiber length             | mm      | 60      | 64                        | ± | 4.00 | BISFA       |
| Tenacity                 | CN/dtex | 2.32    | 2.20                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 45.10   | 40.00                     | ± | 5    | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 4       | 5                         | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.22    | 0.20                      | ± | 0.02 | Edana       |

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| <b>CERTIFICATE OF ANALYSIS</b><br><b>according to EN 10204-3.1</b> |
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|                            |   |             |  |
|----------------------------|---|-------------|--|
| <b>Article description</b> | Black 12 Denier 64 mm. Standard Quality |             |  |
| <b>Article number</b>      |   |             |  |
| <b>Lot/ Batch number</b>   | SQ767342                                |             |  |
| <b>Production date</b>     | 01.12.2019                              |             |  |
| <b>Order number</b>        |   | <b>date</b> |  |
| <b>Invoice number</b>      |   | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 12.30   | 12.70                     | ± | 0.40 | ISO 5079    |
| Fiber length             | mm      | 63      | 64                        | ± | 2.00 | BISFA       |
| Tenacity                 | CN/dtex | 1.80    | 1.60                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 42.50   | 40.00                     | ± | 10   | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 5.2     | 5                         | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.21    | 0.20                      | ± | 0.02 | Edana       |

**CERTIFICATE OF ANALYSIS  
according to EN 10204-3.1**

|                            |   |             |  |
|----------------------------|---|-------------|--|
| <b>Article description</b> | Black 15 Denier 64 mm. Standard Quality |             |  |
| <b>Article number</b>      |   |             |  |
| <b>Lot/ Batch number</b>   | SQ767342                                |             |  |
| <b>Production date</b>     | 15.12.2019                              |             |  |
| <b>Order number</b>        |   | <b>date</b> |  |
| <b>Invoice number</b>      |   | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 15.40   | 15.70                     | ± | 0.20 | ISO 5079    |
| Fiber length             | mm      | 61      | 60                        | ± | 4.00 | BISFA       |
| Tenacity                 | CN/dtex | 1.50    | 1.40                      | ± | 0.20 | ISO 5079    |
| Elongation               | %       | 39      | 40                        | ± | 10   | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.50                      | ± | 0.50 | ASTM D 3937 |
| Shrinkage (180°C 15 min) | %       | 5,67    | 5                         | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.24    | 0.20                      | ± | 0.02 | Edana       |

## CERTIFICATE OF ANALYSIS

according to EN 10204-3.1

|                            |                             |             |  |
|----------------------------|-----------------------------|-------------|--|
| <b>Article description</b> | Super white 6 Denier 64 mm. |             |  |
| <b>Article number</b>      |                             |             |  |
| <b>Lot/ Batch number</b>   | SP1456                      |             |  |
| <b>Production date</b>     | 03.12.2019                  |             |  |
| <b>Order number</b>        |                             | <b>date</b> |  |
| <b>Invoice number</b>      |                             | <b>date</b> |  |

| Properties               | Unit    | RESULTS | standard values and range |   |      | test method |
|--------------------------|---------|---------|---------------------------|---|------|-------------|
|                          |         |         |                           | ± |      |             |
| Titer                    | dtex    | 6.57    | 6.7                       | ± | 0.6  | ISO 5079    |
| Fiber length             | mm      | 64      | 64                        | ± | 4.00 | BISFA       |
| Tenacity                 | CN/dtex | 3.1     | 2.3                       | ± | 0.2  | ISO 5079    |
| Elongation               | %       | 49.81   | 50                        | ± | 5    | ISO 5079    |
| Crimp                    | EA/Inch | 4       | 3.5                       | ± | 0.50 | ASTM D 3937 |
| Shrinkage (160°C 15 min) | %       | 5       | 5                         | ± | 1    | ASTM D 5104 |
| Oil pick up              | %       | 0.22    | 0.2                       | ± | 0.05 | Edana       |

**CHANGSHOU FIBER**

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