

Sheet no. 1 / 2

**Inspection certificate MeshCheck**

Protocol according to ASTM

**Measure protocol no.** TEST**Order** TEST**Order date** 11/26/2008**Analysis mesh no.** TEST**Frame diameter** TEST**Frame material** stainless steel**Mesh with respect to** ASTM**Customer mesh no.** TEST**Weave:** Plane weave**Mesh material:** stainless steel**Nominal aperture size** 63 micron**Nom. wire diameter** 45 micron**measurements so far** TEST**Certificate acc. ASTM** First inspection new mesh First inspection used mesh Reiteration inspection**Measure procedure:** optical procedure MeshCheck  
Theoretical measure precision:Measure system: CIL-3x  
1 Pixel = 1,0 micron**Overall result:****Overall result: The weave does NOT comply with ASTM****Results of each inspection procedure**

1 - Visual inspection of mesh condition

OK

2 - Inspection of too big openings

not OK

3 - Measurements of values for

\* mean mesh opening (w) for variation

\* 5%-Limit

\* mean wire diameter (d)

not OK

not OK

not OK

**Results in detail**

No. of measured fields: 5

Minimum acc. to ASTM 1

No. of measured openings 120

0

**Measure results mesh**

| Mean value | above 5%-Limit | Min | Max |
|------------|----------------|-----|-----|
|------------|----------------|-----|-----|

**Tolerances acc. ASTM**

| Mean value from | Mean value to | 5%-Limit | Min | Max |
|-----------------|---------------|----------|-----|-----|
|-----------------|---------------|----------|-----|-----|

|                    |     |        |     |     |
|--------------------|-----|--------|-----|-----|
| Mesh opening warp: | 158 | 100,0% | 155 | 162 |
| Mesh opening weft: | 161 | 100,0% | 155 | 168 |

|    |    |    |    |
|----|----|----|----|
| 59 | 67 | 77 | 89 |
| 59 | 67 | 77 | 89 |

|                     |     |     |     |
|---------------------|-----|-----|-----|
| Wire diameter warp: | 102 | 102 | 103 |
| Wire diameter weft: | 98  | 97  | 99  |

|    |    |    |
|----|----|----|
| 45 | 39 | 52 |
| 45 | 39 | 52 |

|              |        |
|--------------|--------|
| Weave angle: | 90,2°  |
| Open area:   | 37,4 % |

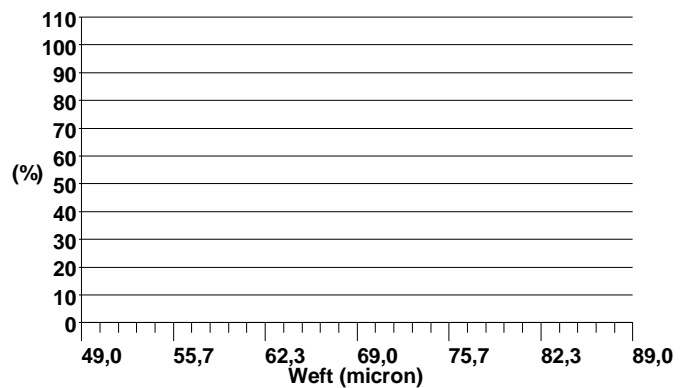
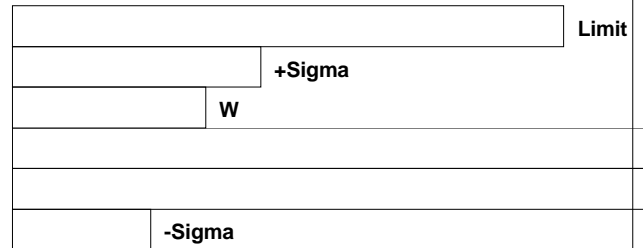
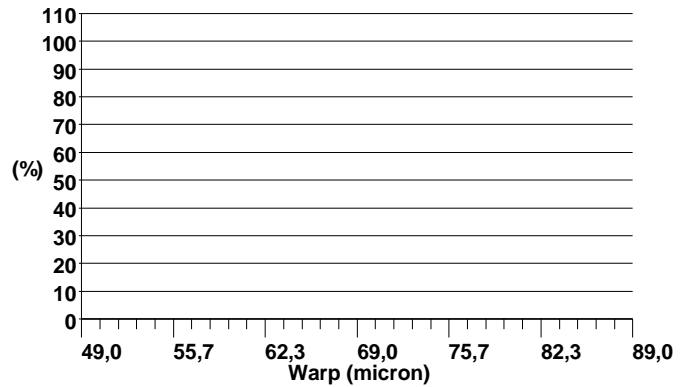
# Inspection certificate MeshCheck

Protocol according to ASTM

Measure protocol no. TEST

**Upper limit of a class and number of mesh openings in this class**

| Class | Warp  |         | Weft  |         |
|-------|-------|---------|-------|---------|
|       | Count | Percent | Count | Percent |
| 49,0  | 0     | 0,0     | 0     | 0,0     |
| 50,3  | 0     | 0,0     | 0     | 0,0     |
| 51,7  | 0     | 0,0     | 0     | 0,0     |
| 53,0  | 0     | 0,0     | 0     | 0,0     |
| 54,3  | 0     | 0,0     | 0     | 0,0     |
| 55,7  | 0     | 0,0     | 0     | 0,0     |
| 57,0  | 0     | 0,0     | 0     | 0,0     |
| 58,3  | 0     | 0,0     | 0     | 0,0     |
| 59,7  | 0     | 0,0     | 0     | 0,0     |
| 61,0  | 0     | 0,0     | 0     | 0,0     |
| 62,3  | 0     | 0,0     | 0     | 0,0     |
| 63,7  | 0     | 0,0     | 0     | 0,0     |
| 65,0  | 0     | 0,0     | 0     | 0,0     |
| 66,3  | 0     | 0,0     | 0     | 0,0     |
| 67,7  | 0     | 0,0     | 0     | 0,0     |
| 69,0  | 0     | 0,0     | 0     | 0,0     |
| 70,3  | 0     | 0,0     | 0     | 0,0     |
| 71,7  | 0     | 0,0     | 0     | 0,0     |
| 73,0  | 0     | 0,0     | 0     | 0,0     |
| 74,3  | 0     | 0,0     | 0     | 0,0     |
| 75,7  | 0     | 0,0     | 0     | 0,0     |
| 77,0  | 0     | 0,0     | 0     | 0,0     |
| 78,3  | 0     | 0,0     | 0     | 0,0     |
| 79,7  | 0     | 0,0     | 0     | 0,0     |
| 81,0  | 0     | 0,0     | 0     | 0,0     |
| 82,3  | 0     | 0,0     | 0     | 0,0     |
| 83,7  | 0     | 0,0     | 0     | 0,0     |
| 85,0  | 0     | 0,0     | 0     | 0,0     |
| 86,3  | 0     | 0,0     | 0     | 0,0     |
| 87,7  | 0     | 0,0     | 0     | 0,0     |
| 89,0  | 120   | 100,0   | 120   | 100,0   |



We confirm, that the used measure tools are calibrated.  
 EDP provided certificate - valid without signature. The factory expert. (- / -)