PROPERTY: Roughness Bendtsen

METHOD: ISO 8791-2
CEPI-TEST: 4.2

ROUND: 2019-1
SAMPLE: Level - 1

UNIT: ml/min

REPORT: <<< H >>>
ISSUED BY: PTS
INDICATIVE VALUE: 35.0÷60.0

STATISTICS

RESULTS OF A-ROUND

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>NUMBER OF LABS</td>
<td>12</td>
</tr>
<tr>
<td>CEPI-A-MEAN</td>
<td>59,3</td>
</tr>
<tr>
<td>CEPI-SD-WITHIN</td>
<td>7,37</td>
</tr>
<tr>
<td>CEPI-SD-BETWEEN</td>
<td>10,39</td>
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</table>

CEPI-RANGE:

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>WARNING LIMITS</td>
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</tr>
<tr>
<td>CEPI-A-MEAN - 2,0 SD</td>
<td>38,5</td>
</tr>
<tr>
<td>CEPI-A-MEAN + 2,0 SD</td>
<td>80,1</td>
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<tbody>
<tr>
<td>ACTION LIMITS</td>
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<tr>
<td>CEPI-A-MEAN - 2,6 SD</td>
<td>32,3</td>
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<tr>
<td>CEPI-A-MEAN + 2,6 SD</td>
<td>86,3</td>
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RESULTS OF CLIENTS

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<tr>
<td>NUMBER OF LABS</td>
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<td>OUTLIER FOR LIMITS</td>
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<td>OUTLIER FOR SD</td>
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<tr>
<td>NUMBER OF VALID VALUES</td>
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</tr>
<tr>
<td>OVERALL-MEAN</td>
<td>53,9</td>
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<tr>
<td>SD WITHIN</td>
<td>7,55</td>
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<tr>
<td>SD BETWEEN</td>
<td>7,32</td>
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DATA FOR HISTOGRAM

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<tbody>
<tr>
<td>NUMBER OF BARS</td>
<td>11</td>
</tr>
<tr>
<td>WIDTH OF CLASS</td>
<td>4,9</td>
</tr>
</tbody>
</table>

HISTOGRAM
(CLIENT-RESULTS INSIDE OF CEPI-ACTION-LIMITS)

* Values on the X-axis correspond to middle of the classes

Signed by Ms. M. Pritsche
Date 28.06.2019
for PTS as a member of the
CEPI Comparative Testing Service
**CONFEDERATION OF EUROPEAN PAPER INDUSTRIES**

**COMPARATIVE TESTING SERVICE**

**PROPERTY:** Roughness Bendtsen

**METHOD:**
- ISO 8791-2
- CEPI-TEST: 4.2

**ROUND:** 2019-1

**SAMPLE:** Level - 2

**UNIT:** ml/min

**REPORT:** <<< H >>>

**ISSUED BY:** PTS

**INDICATIVE VALUE:** 200÷300

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### RESULTS OF A-ROUND

<table>
<thead>
<tr>
<th>NUMBER OF LABS</th>
<th>CEPI-A-MEAN</th>
<th>CEPI-SD-WITHIN</th>
<th>CEPI-SD-BETWEEN</th>
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<tbody>
<tr>
<td>12</td>
<td>277</td>
<td>28,7</td>
<td>28,4</td>
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</table>

**CEPI-RANGE:**

**WARNING LIMITS**
- CEPI-A-MEAN - 2,0 SD: 220
- CEPI-A-MEAN + 2,0 SD: 333

**ACTION LIMITS**
- CEPI-A-MEAN - 2,6 SD: 203
- CEPI-A-MEAN + 2,6 SD: 350

**RESULTS OF CLIENTS**

<table>
<thead>
<tr>
<th>NUMBER OF LABS</th>
<th>OUTLIER FOR LIMITS</th>
<th>OUTLIER FOR SD</th>
<th>NUMBER OF VALID VALUES</th>
<th>OVERALL-MEAN</th>
<th>SD WITHIN</th>
<th>SD BETWEEN</th>
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</thead>
<tbody>
<tr>
<td>89</td>
<td>2</td>
<td>1</td>
<td>86</td>
<td>261</td>
<td>25,2</td>
<td>24,6</td>
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</table>

**DATA FOR HISTOGRAM**

**NUMBER OF BARS:** 11

**WIDTH OF CLASS:** 13

---

**HISTOGRAM**

(CLIENT-RESULTS INSIDE OF CEPI-ACTION-LIMITS)

*Values on the X-axis correspond to middle of the classes*

---

Signed by Ms. M. Pritsche

Date 28.06.2019

for PTS as a member of the

CEPI Comparative Testing Service

Page 2/3
PROPERTY: Roughness Bendtsen

METHOD: ISO 8791-2
CEPI-TEST: 4.2

ROUND: 2019-1
SAMPLE: Level - 3

UNIT: ml/min

REPORT: <<< H >>>
ISSUED BY: PTS

INDICATIVE VALUE: 1300÷2300

STATISTICS

RESULTS OF A-ROUND

NUMBER OF LABS: 12
CEPI-A-MEAN: 1430
CEPI-SD-WITHIN: 99
CEPI-SD-BETWEEN: 114
CEPI-RANGE:
WARNING LIMITS
CEPI-A-MEAN - 2,0 SD: 1201
CEPI-A-MEAN + 2,0 SD: 1658

ACTION LIMITS
CEPI-A-MEAN - 2,6 SD: 1133
CEPI-A-MEAN + 2,6 SD: 1727

RESULTS OF CLIENTS

NUMBER OF LABS: 62
OUTLIER FOR LIMITS: 3
OUTLIER FOR SD: 1
NUMBER OF VALID VALUES: 58
OVERALL-MEAN: 1356
SD WITHIN: 101
SD BETWEEN: 94

DATA FOR HISTOGRAM

NUMBER OF BARS: 11
WIDTH OF CLASS: 54

HISTOGRAM
(CLIENT-RESULTS INSIDE OF CEPI-ACTION-LIMITS)

* Values on the X-axis correspond to middle of the classes

Signed by Ms. M. Pritsche
for PTS as a member of the
CEPI Comparative Testing Service

Date 28.06.2019

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