

<b>Test report no.:</b>	ILK-B-33-17-2142-1	<b>Temperature:</b>	23 ± 5 °C
<b>Date:</b>	24.08.2017	<b>rel. Humidity:</b>	< 75% %
<b>Technician:</b>	Holfeld		

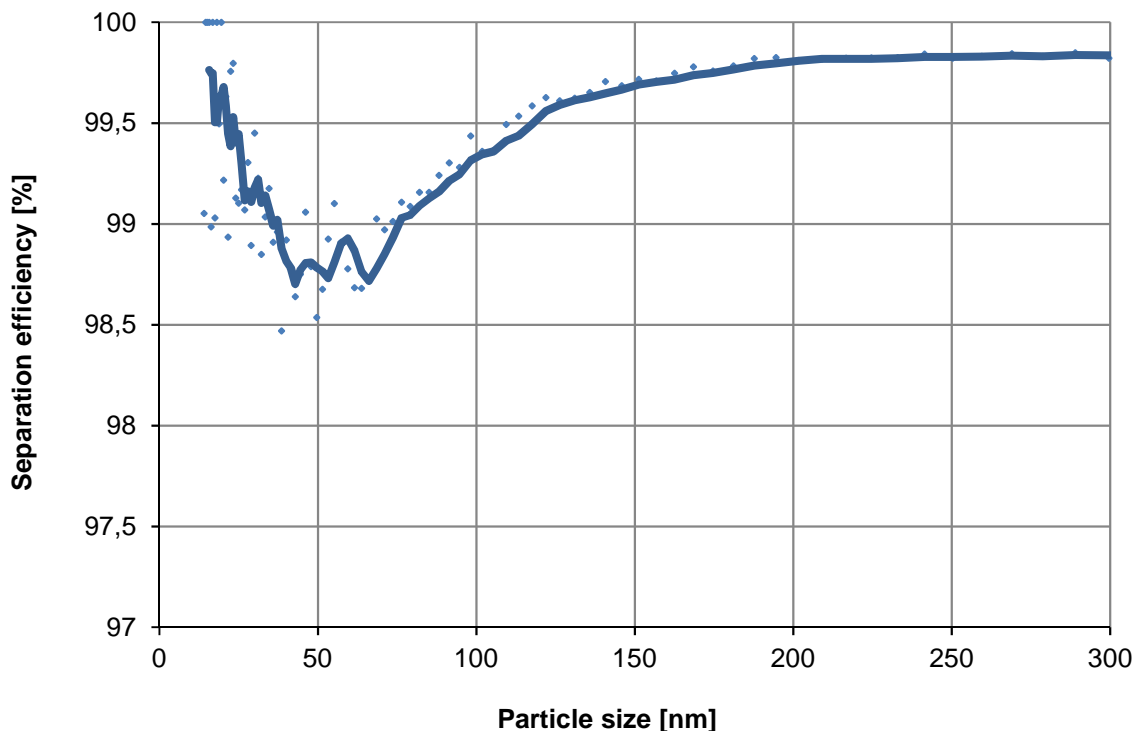
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<b>Filter element:</b>	AERO 8/15	<b>Dimension (LxBxH):</b>	190x50x18 mm
<b>Serial number:</b>	LF 7524304	<b>Position in test:</b>	horizontal
<b>Sample:</b>	01	<b>Air flow rate:</b>	0,7 m <sup>3</sup> /min
<b>Customer:</b>	Diversey Europe B.V. Utrecht		

**Test conditions:**

Temperature:	23,0 °C
rel. Humidity:	53,0 %
Air flow rate:	0,71 m <sup>3</sup> /min
Free filter area:	392 cm <sup>2</sup>
Air speed at filter media:	0,30 m/s
Atomizer:	ATM 225/E SN 2259502315 (Topas GmbH)
Test aerosol:	DEHS diluted with 10 Vol% Isopropanol)
Particle counter:	LASAIR II 110 SN 53845 (PMS Inc.), Size classes: 100, 200, 300, 500, 1000 und 5000 nm
Aerosol dilution system:	DIL 554 SN 5540902348 (Topas GmbH)
Sample probe at clean gas:	∅ 40 mm

**Determined most particle penetration size**



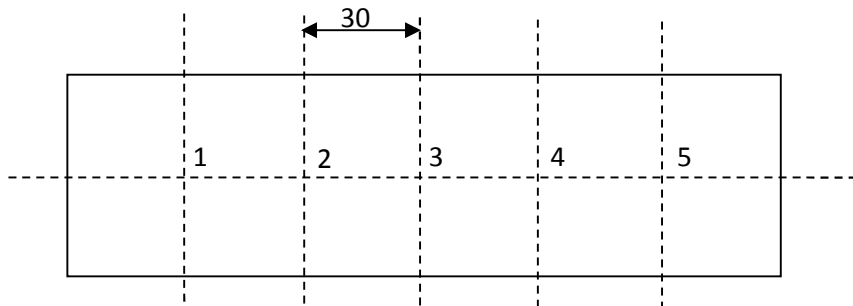
**Most particle penetration size:** 50 nm  
 measured with SMPS system SN 8096 (TSI Inc.)

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**Scanning result:**

Position and numbers of the measuring points:



Mean differential pressure:	721 Pa
Mean particle concentration (raw gas):	1,5E+08 #/m <sup>3</sup>
Mean particle concentration (clean gas):	2,6E+05 #/m <sup>3</sup>

**Local separation efficiencies in the particle size channel of 100 nm**

Measuring point	Separation efficiency [%]
1	99,71
2	99,63
3	99,63
4	99,63
5	99,70

<b>Integral separation efficiency:</b>	99,664 %
<b>Minimum integral separation efficiency:</b>	<b>99,659 %</b>
<b>Filter class acc. to EN 1822-1:</b>	<b>E12</b>

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Differential pressure curve:

