

Attachment 4 to test report S-SEN 200901.KW41

Summary of test results

FFP2 NR, 20100602

fiatec-no.: S-SEN 200901.KW41-M4.1 - M4.2

1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
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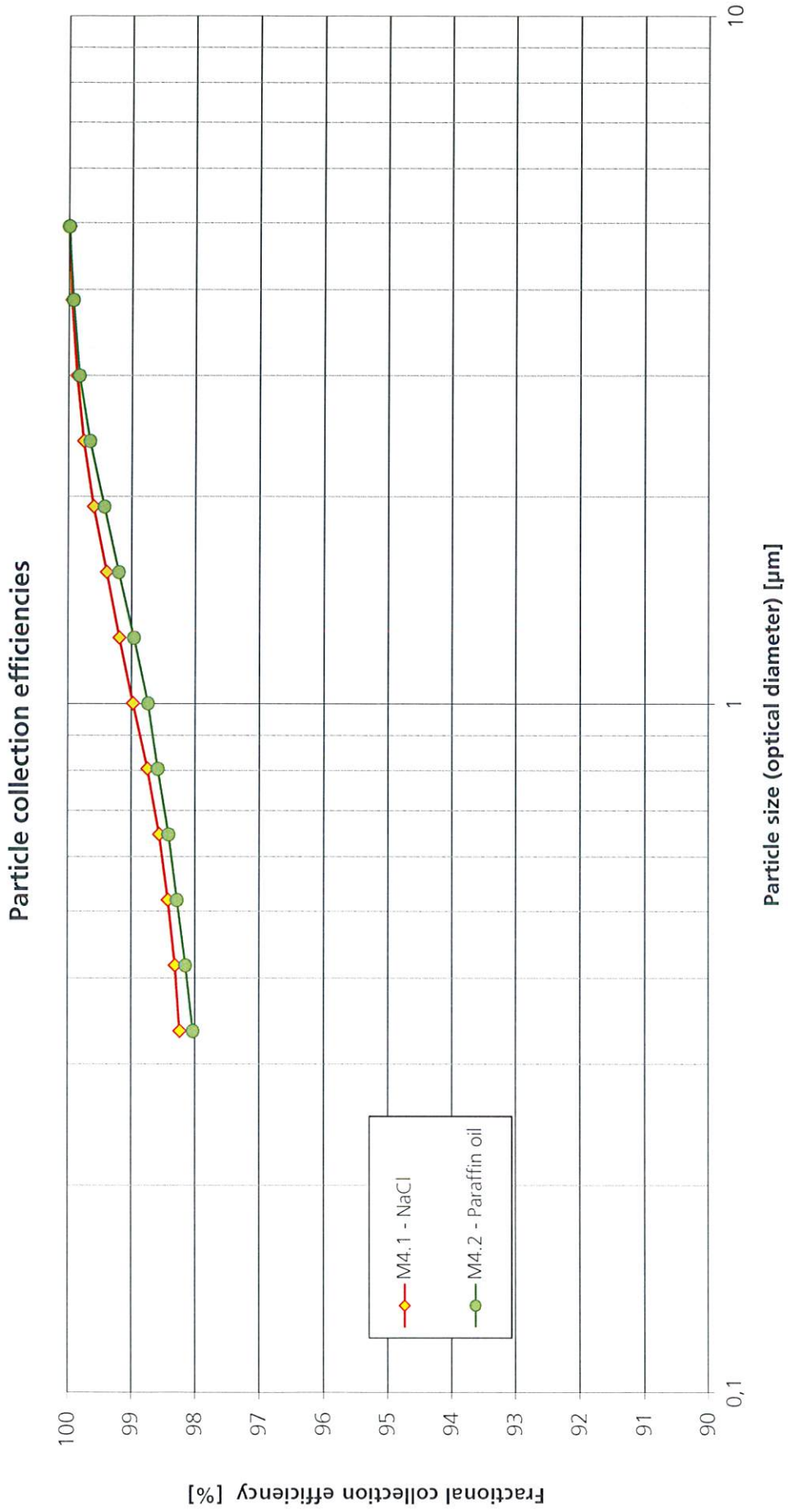
Flow rate: 95 l/min	M4.1 - NaCl		M4.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	98,2	0,1	98,0	0,1
0,42	98,3	0,0	98,2	0,1
0,52	98,4	0,0	98,3	0,0
0,65	98,6	0,0	98,4	0,1
0,80	98,8	0,0	98,6	0,1
1,00	99,0	0,1	98,7	0,1
1,25	99,2	0,1	99,0	0,1
1,55	99,4	0,0	99,2	0,1
1,93	99,6	0,0	99,4	0,0
2,41	99,8	0,1	99,7	0,1
3,00	99,9	0,0	99,8	0,1
3,86	>99,9	0,0	99,9	0,1
4,94	>99,9	0,0	>99,9	0,0

* η_{mean} is the average particle collection calculated from three sets of up- and downstream measurements

** Δ_{max} represents the full scattering range of single values for each size channel

2. Pressure drop

Flow rate:	[l/min]	95	160
M4.1	[Pa]	106	191
M4.2	[Pa]	101	179



Customer: Sentias GmbH & Co. KG
fiatec no.: S-SEN 200901.KW41 - M4.1 - M4.2
Sample: FFP2 NR, 20100602

Flow rate: 95 l/min
Test aerosol: NaCl + Paraffin oil
Date: 07.+08.10.2020
Particle counter: TSI OPC 3330