

Attachment 7 to test report S-SEN 200901.KW44

Summary of test results

FFP2 NR, 20102804

fiatec-no.: S-SEN 200901.KW44-M7.1 - M7.2

1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
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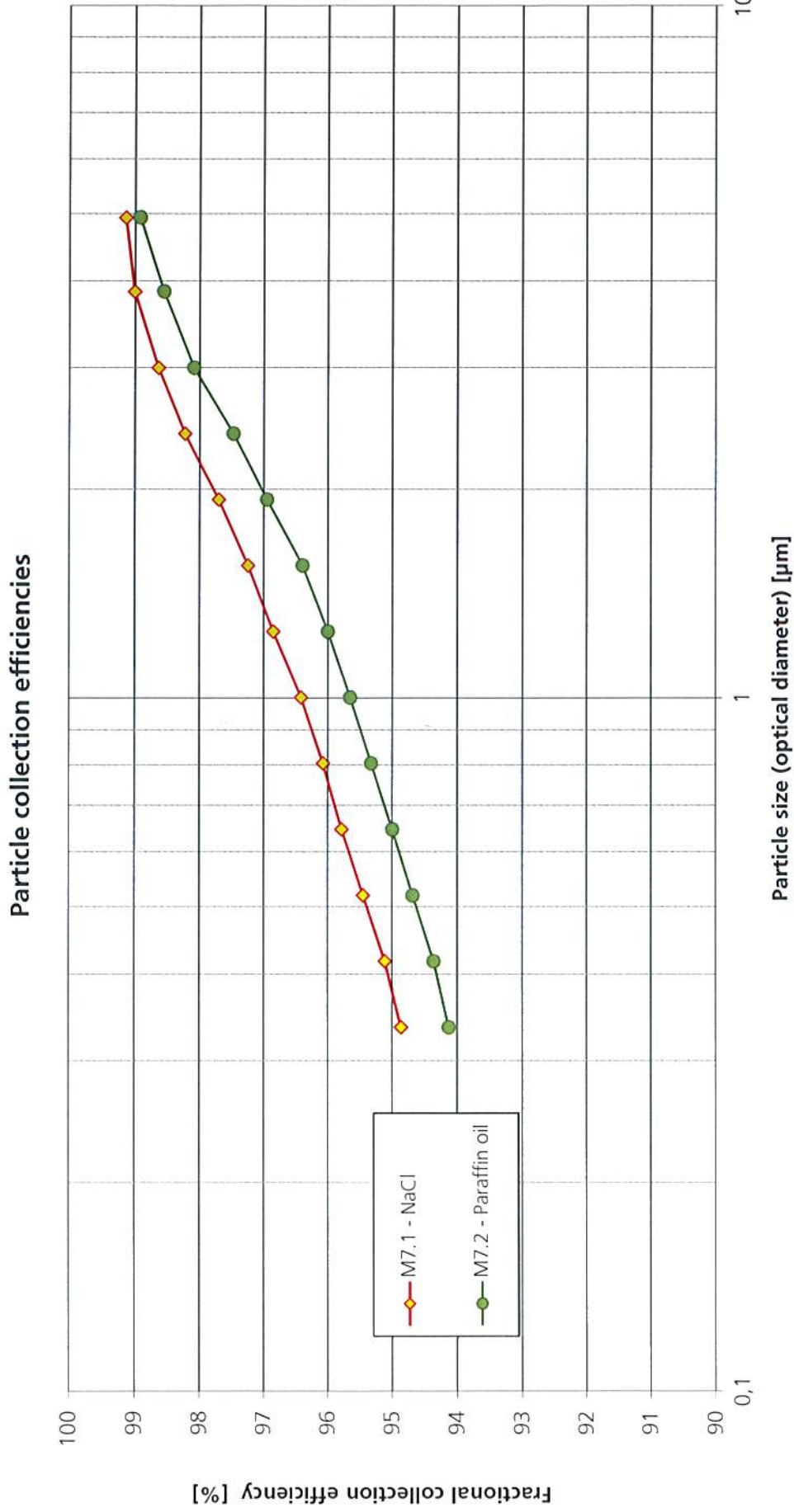
Flow rate: 95 l/min	M7.1 - NaCl		M7.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	94,9	1,4	94,1	0,6
0,42	95,1	1,1	94,4	0,1
0,52	95,5	0,6	94,7	0,1
0,65	95,8	0,5	95,0	0,2
0,80	96,1	0,3	95,3	0,1
1,00	96,4	0,6	95,7	0,2
1,25	96,9	0,5	96,0	0,0
1,55	97,3	0,4	96,4	0,2
1,93	97,7	0,5	97,0	0,3
2,41	98,2	0,4	97,5	0,2
3,00	98,6	0,5	98,1	0,4
3,86	99,0	0,5	98,6	0,4
4,94	99,1	0,4	98,9	1,0

* 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
M7.1	[Pa]	108	184
M7.2	[Pa]	107	187



Customer: Sentias GmbH & Co. KG

fiatec no.: S-SEN 200901.KW44 - M7.1 - M7.2

Sample: FFP2 NR, 20102804

Flow rate: 95 l/min
Test aerosol: NaCl + Paraffin oil
Date: 29.10.2020
Particle counter: TSI OPC 3330