

Attachment 1 to test report S-SEN 201101.KW45

Summary of test results

FFP2 NR, 20110303

fiatec-no.: S-SEN 201101.KW45-M1.1 - M1.2

1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
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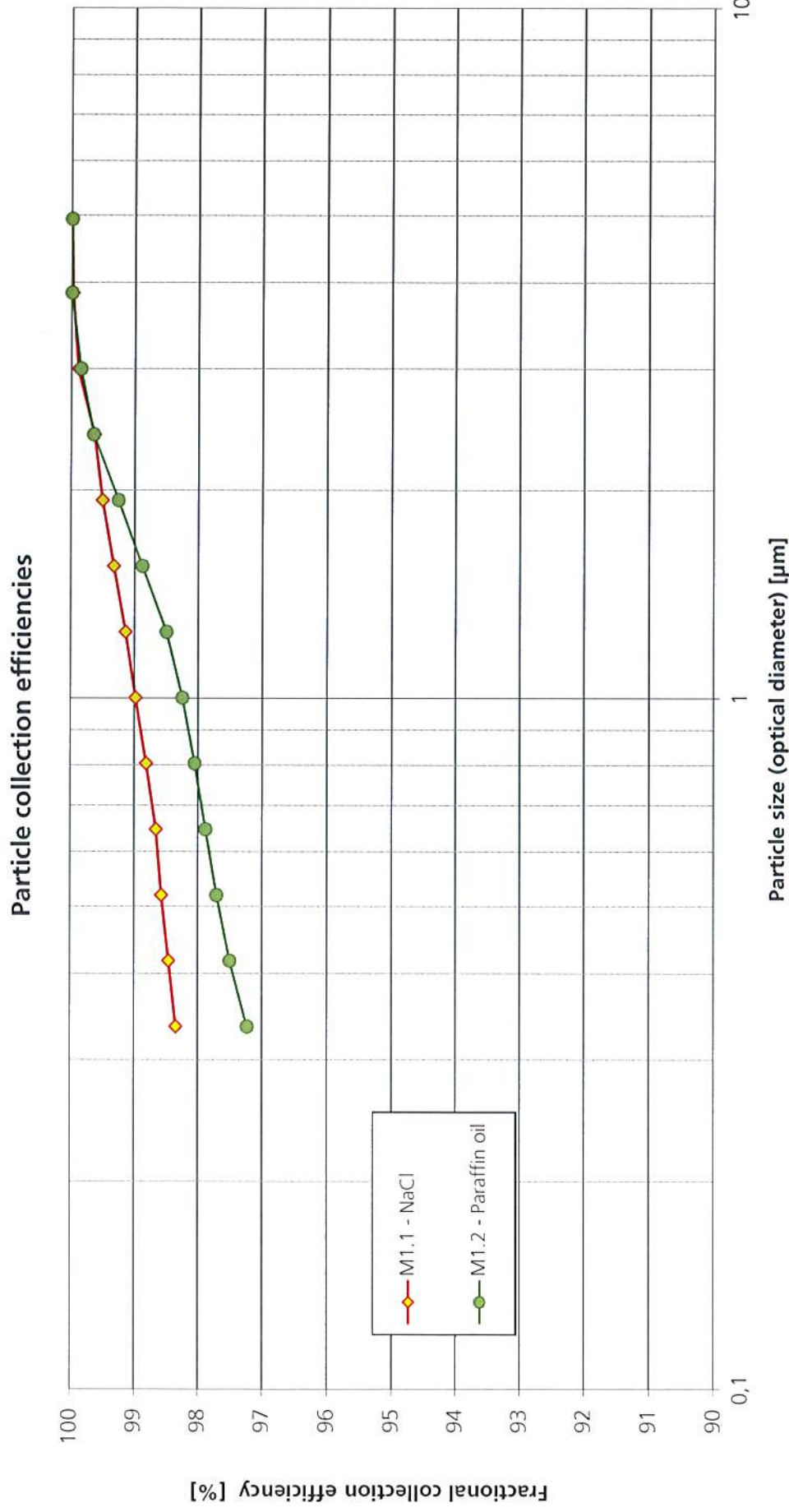
Flow rate: 95 l/min	M1.1 - NaCl		M1.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	98,4	0,1	97,2	0,1
0,42	98,5	0,1	97,5	0,1
0,52	98,6	0,0	97,7	0,1
0,65	98,7	0,0	97,9	0,1
0,80	98,8	0,1	98,1	0,2
1,00	99,0	0,0	98,3	0,1
1,25	99,1	0,1	98,5	0,1
1,55	99,3	0,1	98,9	0,1
1,93	99,5	0,1	99,3	0,0
2,41	99,6	0,0	99,7	0,3
3,00	99,9	0,1	99,9	0,2
3,86	>99,9	0,0	>99,9	0,0
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
M1.1	[Pa]	109	191
M1.2	[Pa]	107	188



Customer: Sentias GmbH & Co. KG
 fiatec no.: S-SEN 201101.KW45 - M1.1 - M1.2
 Sample: FFP2 NR, 20110303

Flow rate: 95 l/min
 Test aerosol: NaCl + Paraffin oil
 Date: 13.11.2020
 Particle counter: TSI OPC 3330