

Attachment 2 to test report S-SEN 201101.KW46

Summary of test results

FFP2 NR, 20110911

fiatec-no.: S-SEN 201101.KW46-M2.1 - M2.2

1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
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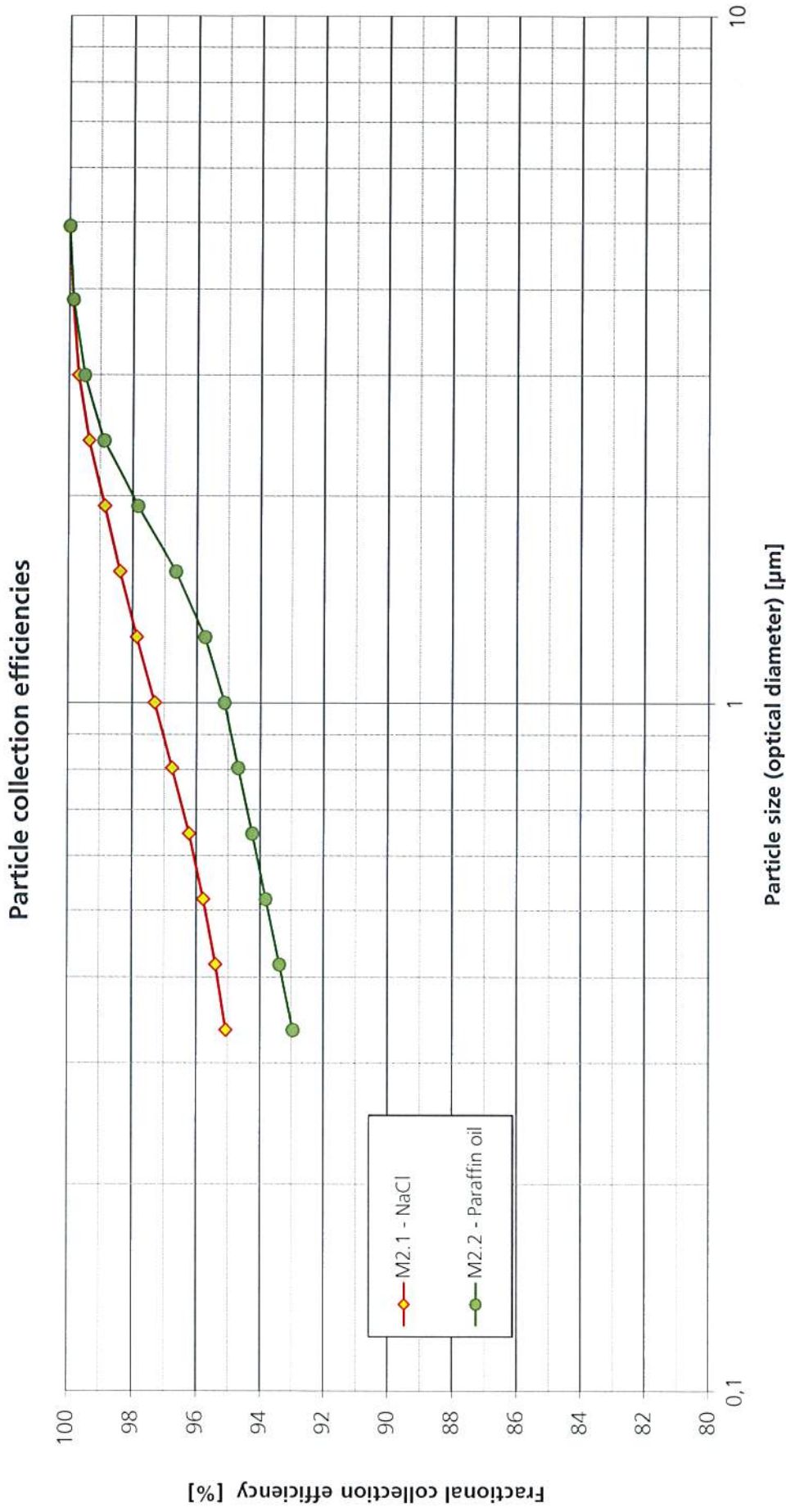
Flow rate: 95 l/min	M2.1 - NaCl		M2.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	95,1	0,3	93,0	0,2
0,42	95,4	0,3	93,4	0,3
0,52	95,8	0,3	93,8	0,4
0,65	96,2	0,2	94,3	0,0
0,80	96,8	0,1	94,7	0,1
1,00	97,3	0,1	95,1	0,2
1,25	97,9	0,1	95,7	0,1
1,55	98,4	0,2	96,7	0,1
1,93	98,9	0,2	97,8	0,2
2,41	99,4	0,1	98,9	0,4
3,00	99,7	0,1	99,5	0,7
3,86	99,9	0,1	99,9	0,3
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
M2.1	[Pa]	110	193
M2.2	[Pa]	114	199



Customer: Sentias GmbH & Co. KG
fiatec no.: S-SEN 201101.KW46 - M2.1 - M2.2
Sample: FFP2 NR, 20110911

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