

Attachment 2 to test report S-SEN 200901.KW39

Summary of test results

FFP2 NR, 20092401

fiatec-no.: S-SEN 200901.KW39-M2.1 - M2.2

1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
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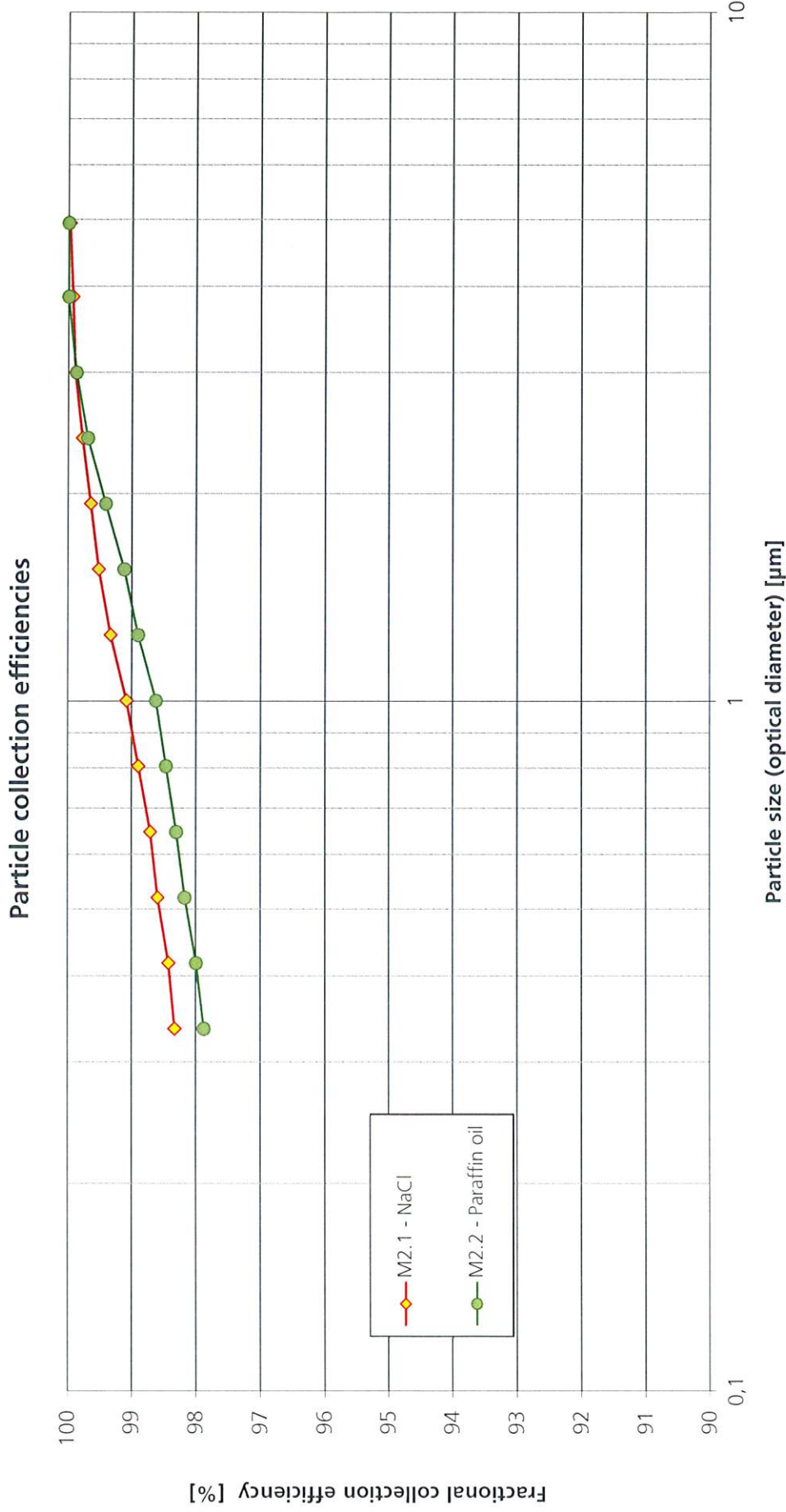
Flow rate: 95 l/min	M2.1 - NaCl		M2.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	98,3	0,0	97,9	0,1
0,42	98,4	0,1	98,0	0,1
0,52	98,6	0,1	98,2	0,1
0,65	98,7	0,0	98,3	0,0
0,80	98,9	0,1	98,5	0,1
1,00	99,1	0,1	98,6	0,0
1,25	99,3	0,1	98,9	0,0
1,55	99,5	0,1	99,1	0,1
1,93	99,6	0,0	99,4	0,1
2,41	99,8	0,0	99,7	0,0
3,00	99,9	0,0	99,9	0,1
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
M2.1	[Pa]	109	183
M2.2	[Pa]	102	178



Customer: Sentias GmbH & Co. KG

fiatec no.: S-SEN 200901.KW39 - M2.1 - M2.2

Sample: FFP2 NR, 20092401

Flow rate: 95 l/min

Test aerosol: NaCl + Paraffin oil

Date: 07.+08.10.2020

Particle counter: TSI OPC 3330