

Attachment 1 to test report S-SEN 210101-KW1

Summary of test results

FFP2 NR, 21010814

fiatec-no.: S-SEN 210101-KW1-M1.1 - M1.2

1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
---------------	---------------------	-------------------	--------------

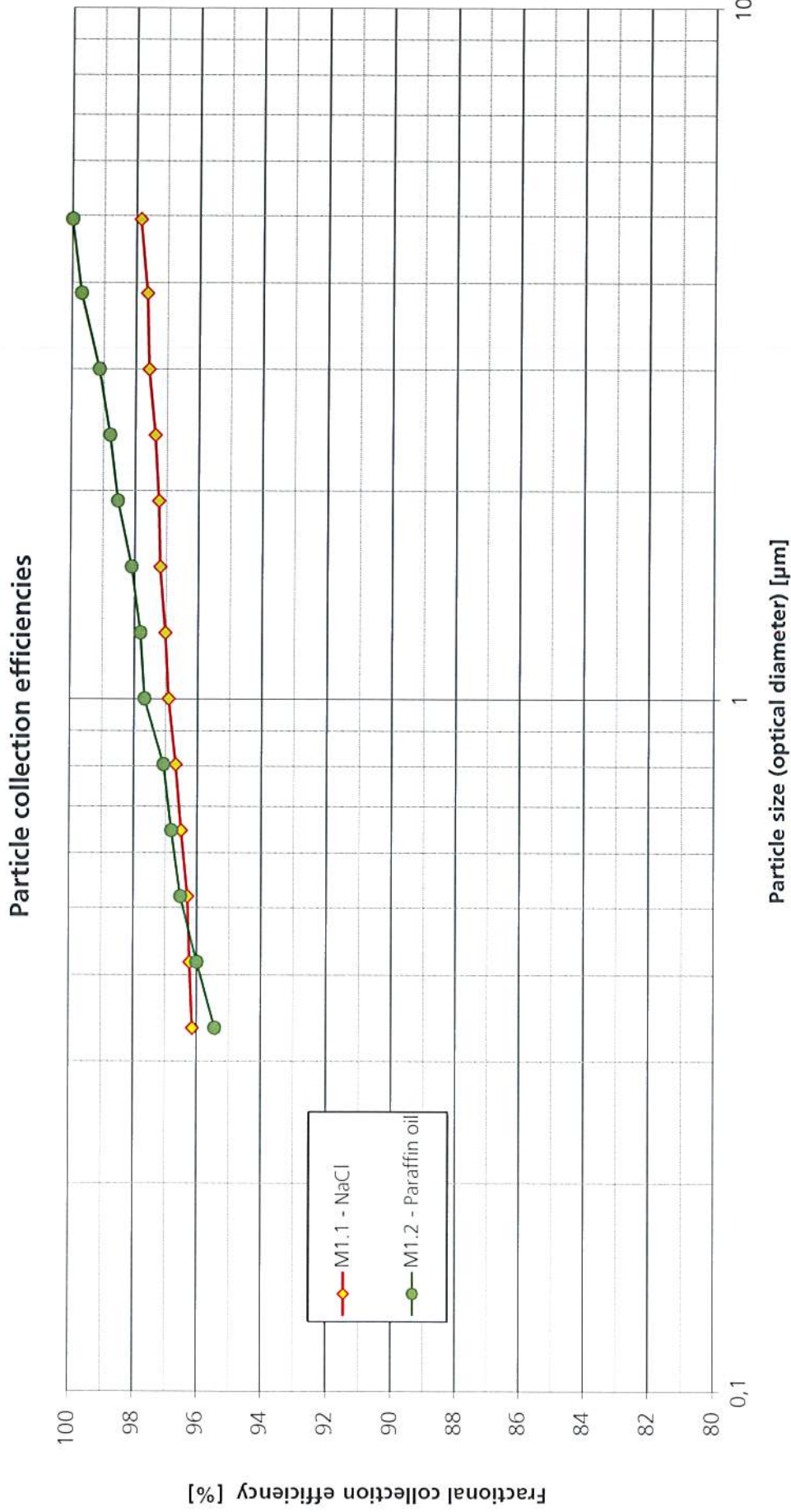
Flow rate: 95 l/min	M1.1 - NaCl		M1.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	96,1	0,1	95,4	0,2
0,42	96,2	0,1	96,0	0,0
0,52	96,3	0,2	96,5	0,1
0,65	96,5	0,0	96,8	0,0
0,80	96,7	0,1	97,1	0,1
1,00	96,9	0,0	97,7	0,0
1,25	97,0	0,1	97,8	0,2
1,55	97,2	0,1	98,1	0,1
1,93	97,3	0,4	98,5	0,0
2,41	97,4	0,2	98,8	0,3
3,00	97,6	0,2	99,1	0,1
3,86	97,7	0,2	99,7	0,5
4,94	97,9	0,2	>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]	92	159
M1.2	[Pa]	96	163



Customer:	Sentias GmbH	Flow rate:	95 l/min
fiatec no.:	S-SEN 210101-KW1-M1.1 - M1.2	Test aerosol:	NaCl + Paraffin oil
Sample:	FFP2 NR, 21010814	Date:	18.01.2021
		Particle counter:	TSI OPC 3330