

Attachment 1 to test report S-SEN 200901.KW38

Summary of test results

FFP2 NR

fiatec-no.: S-SEN 200901.KW38-M1.1 - M1.2

1. Particle collection efficiency

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

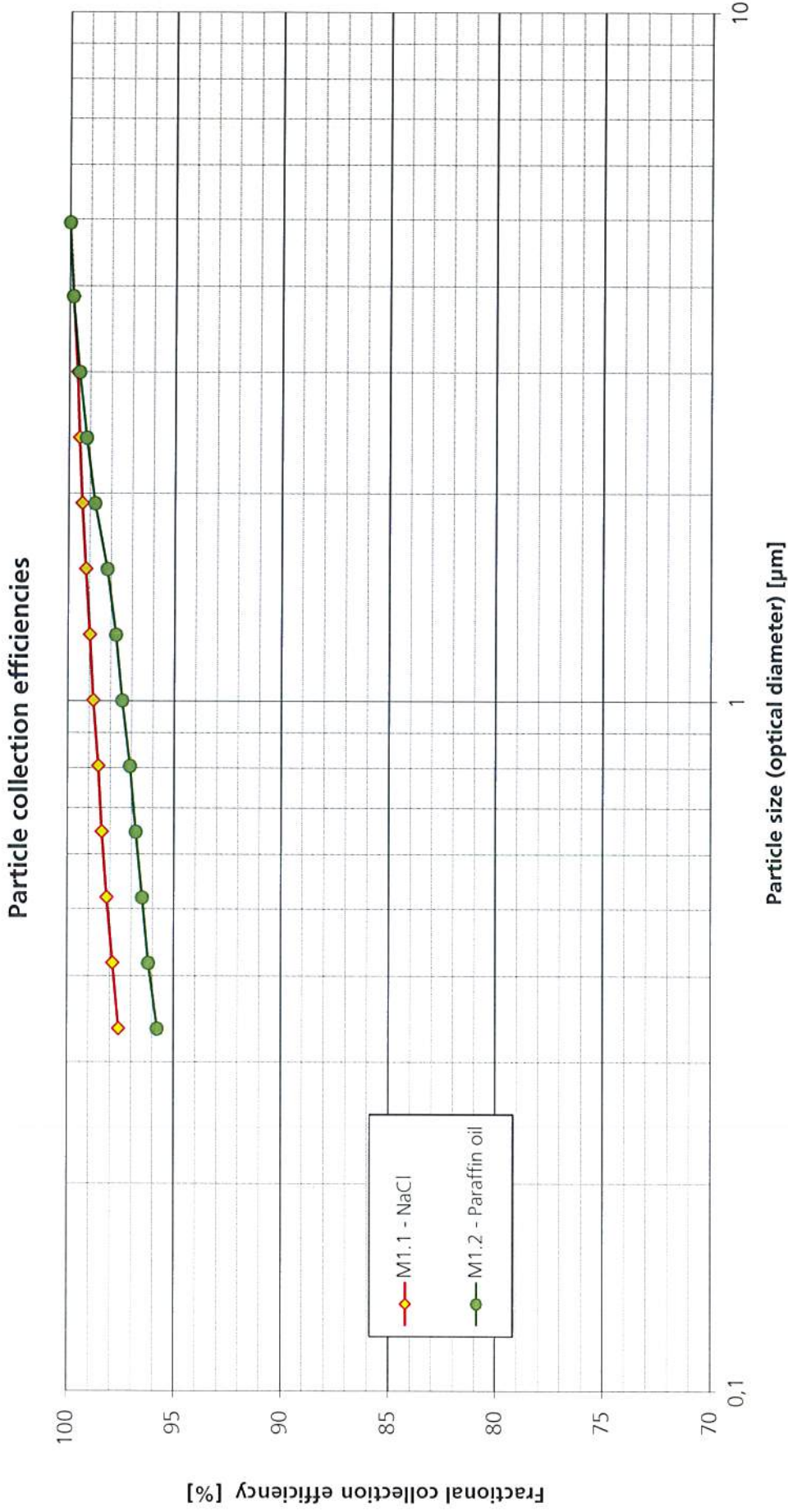
Flow rate: 95 l/min	M1.1 - NaCl		M1.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	97,6	0,1	95,8	0,4
0,42	97,9	0,1	96,2	0,1
0,52	98,2	0,1	96,5	0,2
0,65	98,4	0,0	96,8	0,1
0,80	98,6	0,0	97,1	0,1
1,00	98,8	0,0	97,5	0,2
1,25	99,0	0,1	97,8	0,2
1,55	99,2	0,1	98,2	0,2
1,93	99,4	0,1	98,8	0,2
2,41	99,5	0,1	99,2	0,2
3,00	99,6	0,1	99,5	0,1
3,86	99,8	0,3	99,8	0,1
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	193
M1.2	[Pa]	112	198



Customer: Sentias GmbH & Co. KG
fiatec no.: S-SEN 200901.KW38-M1.1 - M1.2
Sample: FFP2 NR

Flow rate: 95 l/min
Test aerosol: NaCl + Paraffin oil
Date: 22.09.2020
Particle counter: TSI OPC 3330