

Attachment 2 to test report S-SEN 210101-KW2

Summary of test results

FFP2 NR, 21011323

fiatec-no.: S-SEN 210101-KW2-M2.1 - M2.2

1. Particle collection efficiency

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

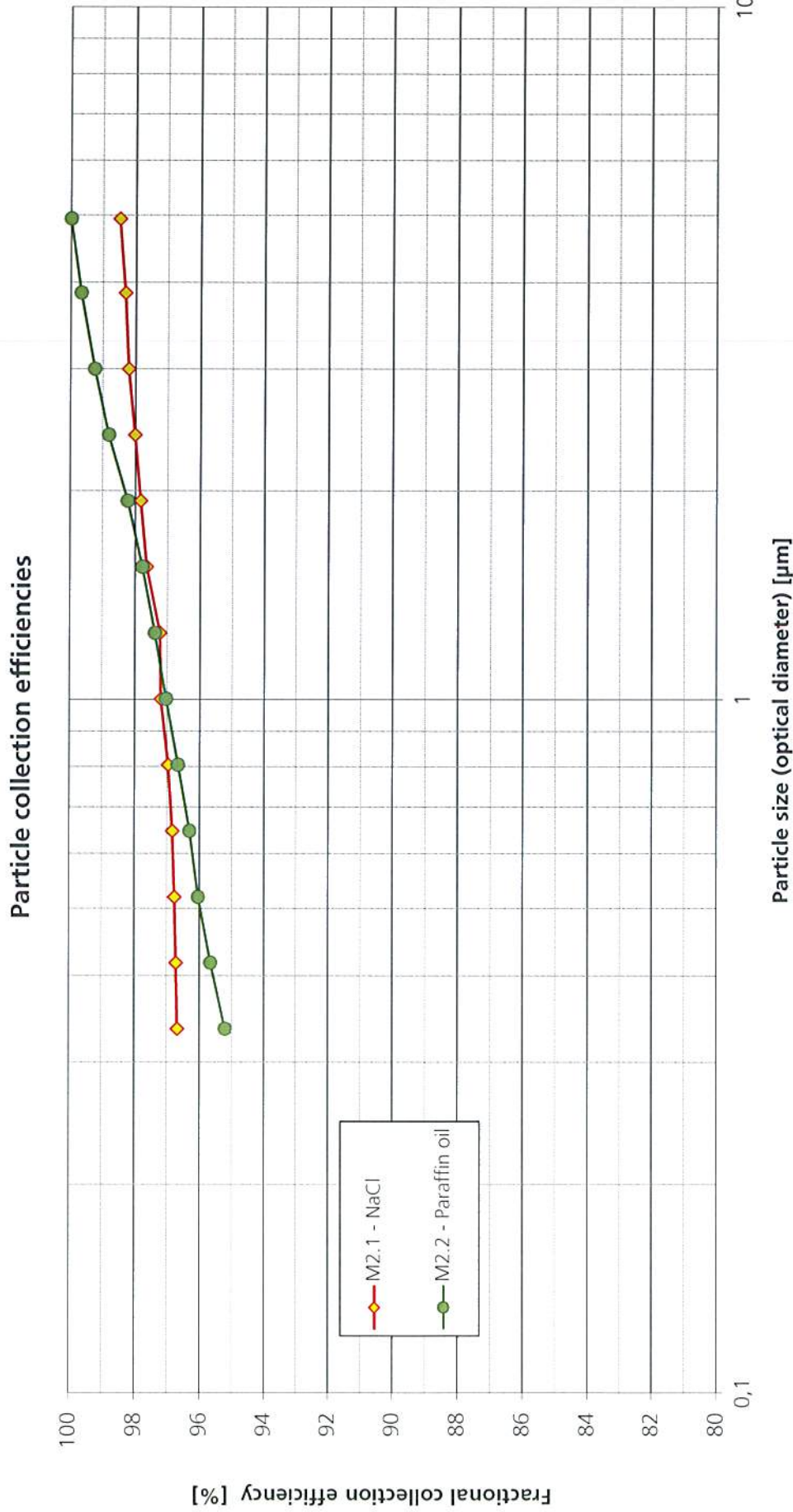
Flow rate: 95 l/min	M2.1 - NaCl		M2.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	96,7	0,3	95,2	0,1
0,42	96,7	0,3	95,7	0,1
0,52	96,8	0,0	96,0	0,0
0,65	96,8	0,1	96,3	0,1
0,80	97,0	0,4	96,7	0,0
1,00	97,2	0,4	97,0	0,0
1,25	97,2	0,3	97,4	0,0
1,55	97,6	0,3	97,8	0,1
1,93	97,8	0,4	98,2	0,1
2,41	98,0	0,3	98,8	0,2
3,00	98,2	0,4	99,3	0,1
3,86	98,3	0,3	99,7	0,6
4,94	98,5	0,3	>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]	92	160
M2.2	[Pa]	93	159



Customer: Sentias GmbH
 fiatec no.: S-SEN 210101-KW2-M2.1 - M2.2
 Sample: FFP2 NR, 21011323

Flow rate: 95 l/min
 Test aerosol: **NaCl + Paraffin oil**
 Date: 18.01.2021
 Particle counter: TSI OPC 3330