

Attachment 6 to test report S-SEN 200901.KW43

Summary of test results

FFP2 NR, 20102205

fiatec-no.: S-SEN 200901.KW43-M6.1 - M6.2

1. Particle collection efficiency

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

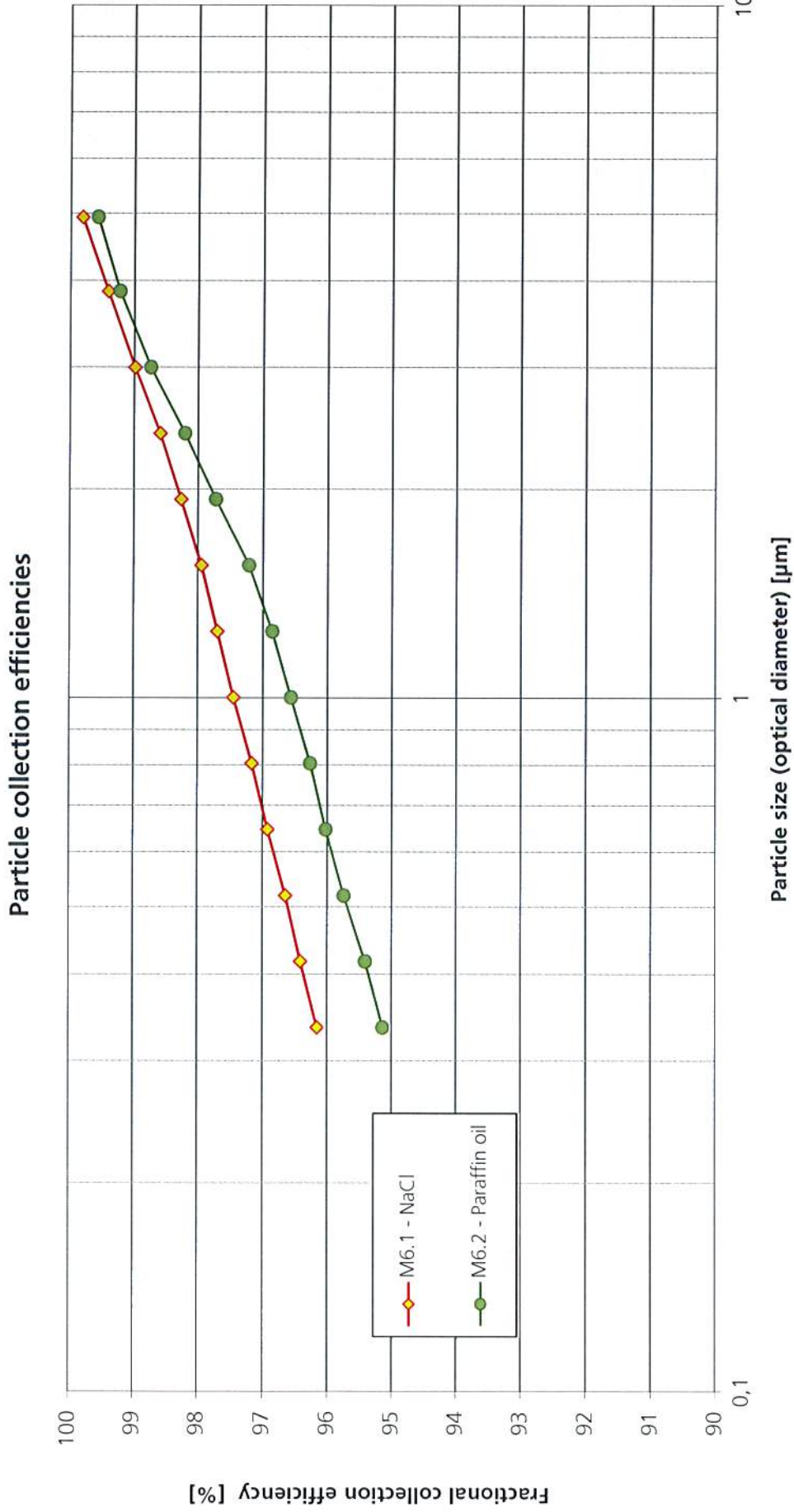
Flow rate: 95 l/min	M6.1 - NaCl		M6.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	96,2	0,0	95,1	0,1
0,42	96,4	0,1	95,4	0,1
0,52	96,7	0,1	95,8	0,1
0,65	96,9	0,1	96,0	0,1
0,80	97,2	0,1	96,3	0,2
1,00	97,5	0,0	96,6	0,1
1,25	97,7	0,1	96,9	0,1
1,55	98,0	0,1	97,2	0,2
1,93	98,3	0,1	97,7	0,1
2,41	98,6	0,0	98,2	0,2
3,00	99,0	0,0	98,7	0,2
3,86	99,4	0,0	99,2	0,1
4,94	99,8	0,0	99,6	1,0

* 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
M6.1	[Pa]	107	179
M6.2	[Pa]	104	171



Customer: Sentias GmbH & Co. KG

fiatec no.: S-SEN 200901.KW43 - M6.1 - M6.2

Sample: FFP2 NR, 20102205

Flow rate: 95 l/min
Test aerosol: NaCl + Paraffin oil

Date: 29.10.2020

Particle counter: TSI OPC 3330