

## Attachment 5 to test report S-SEN 200901.KW42

Summary of test results

FFP2 NR, 20101202

fiatec-no.: S-SEN 200901.KW42-M5.1 - M5.2

### 1. Particle collection efficiency

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

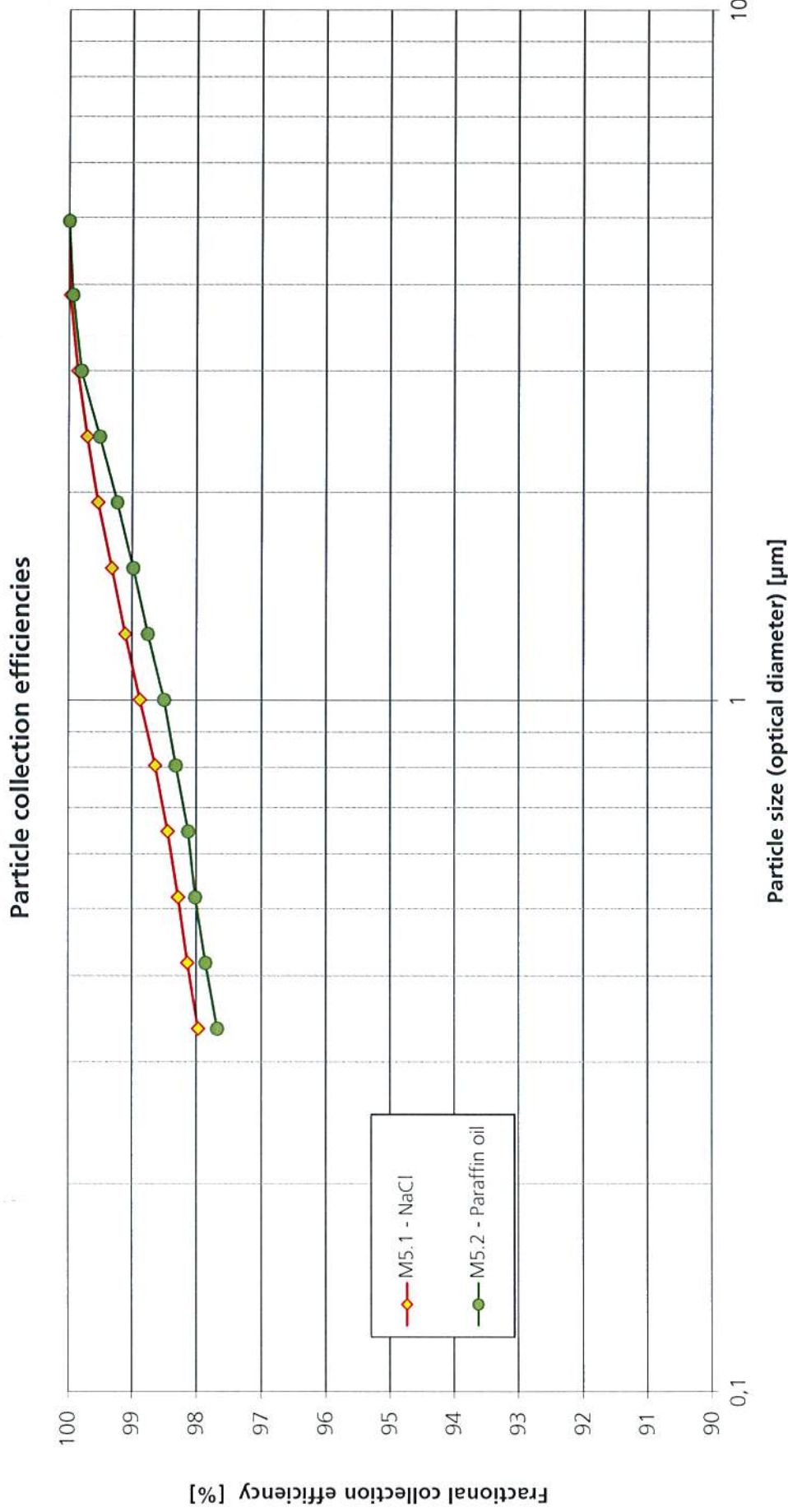
Flow rate: 95 l/min	M5.1 - NaCl		M5.2 - Paraffin oil	
Particle size (optical)	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$
[ $\mu\text{m}$ ]	[%]	[%]	[%]	[%]
0,33	98,0	0,0	97,7	0,0
0,42	98,1	0,1	97,9	0,1
0,52	98,3	0,1	98,0	0,1
0,65	98,4	0,1	98,1	0,0
0,80	98,6	0,0	98,3	0,0
1,00	98,9	0,1	98,5	0,1
1,25	99,1	0,1	98,8	0,0
1,55	99,3	0,1	99,0	0,0
1,93	99,5	0,1	99,2	0,1
2,41	99,7	0,0	99,5	0,2
3,00	99,9	0,0	99,8	0,1
3,86	>99,9	0,0	99,9	0,1
4,94	>99,9	0,0	>99,9	0,0

\*  $\eta_{\text{mean}}$  is the average particle collection calculated from three sets of up- and downstream measurements

\*\*  $\Delta_{\text{max}}$  represents the full scattering range of single values for each size channel

### 2. Pressure drop

Flow rate:	[l/min]	95	160
M5.1	[Pa]	102	175
M5.2	[Pa]	101	170



Customer: Sentias GmbH & Co. KG

fiatec no.: S-SEN 200901.KW42 - M5.1 - M5.2

Sample: FFP2 NR, 20101202

Flow rate: 95 l/min  
 Test aerosol: NaCl + Paraffin oil  
 Date: 14.10.2020  
 Particle counter: TSI OPC 3330