

## Attachment 3 to test report S-SEN 200901.KW40

Summary of test results

FFP2 NR, 20093003

fiatec-no.: S-SEN 200901.KW40-M3.1 - M3.2

### 1. Particle collection efficiency

Test aerosol:	NaCl + Paraffin oil	Particle counter:	TSI OPC 3330
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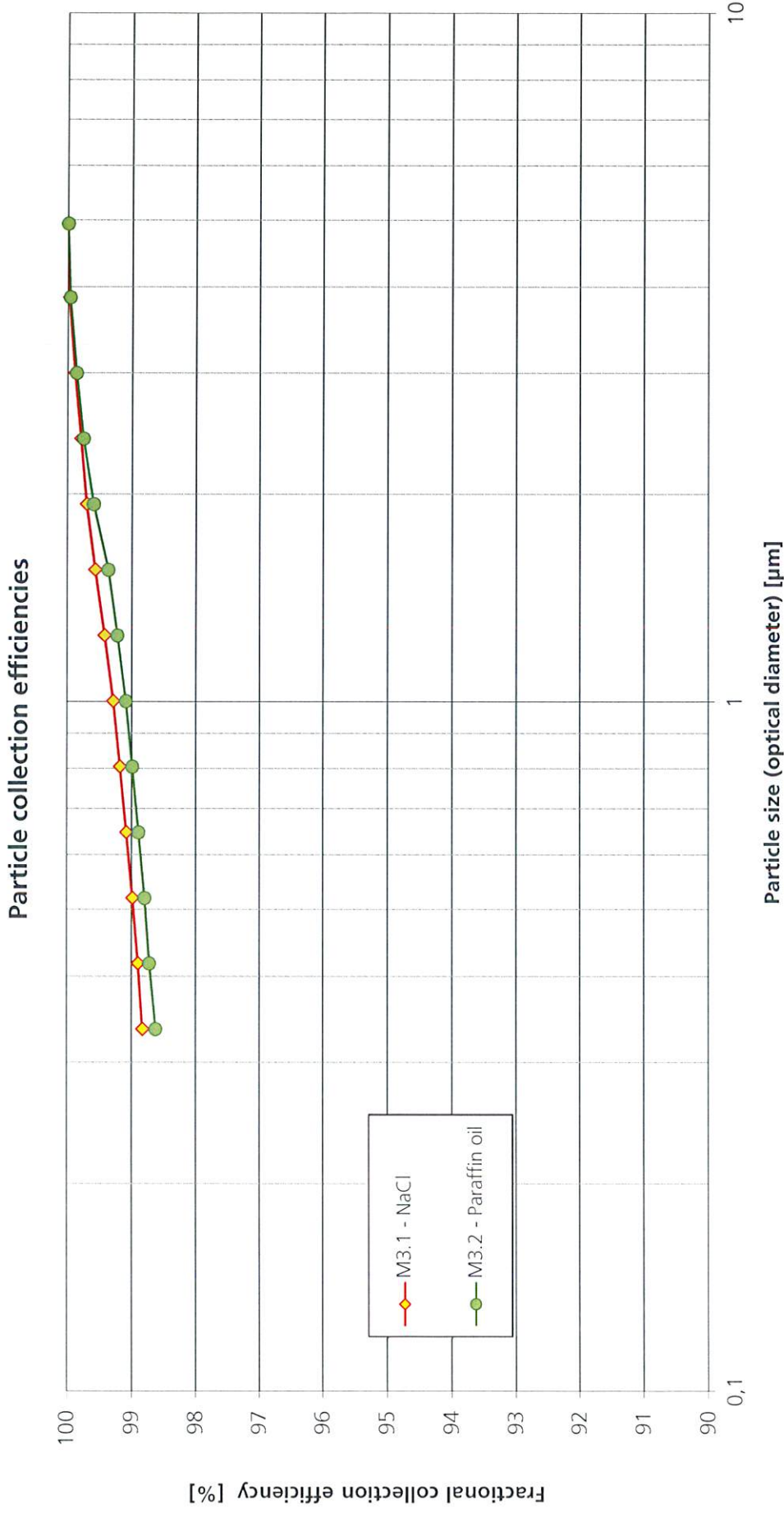
Flow rate: 95 l/min	M3.1 - NaCl		M3.2 - Paraffin oil	
Particle size (optical)	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$
[ $\mu\text{m}$ ]	[%]	[%]	[%]	[%]
0,33	98,8	0,0	98,6	0,0
0,42	98,9	0,0	98,7	0,0
0,52	99,0	0,0	98,8	0,0
0,65	99,1	0,0	98,9	0,0
0,80	99,2	0,1	99,0	0,0
1,00	99,3	0,0	99,1	0,1
1,25	99,4	0,1	99,2	0,0
1,55	99,6	0,0	99,4	0,1
1,93	99,7	0,0	99,6	0,1
2,41	99,8	0,0	99,8	0,0
3,00	99,9	0,0	99,9	0,2
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
M3.1	[Pa]	95	168
M3.2	[Pa]	90	152



Customer: Sentias GmbH & Co. KG  
 fiatec no.: S-SEN 200901.KW40 - M3.1 - M3.2  
 Sample: FFP2 NR, 20093003

Flow rate: 95 l/min  
 Test aerosol: NaCl + Paraffin oil  
 Date: 07.+08.10.2020  
 Particle counter: TSI OPC 3330