

## Attachment 5 to test report S-SEN 201101.KW49

Summary of test results

FFP2 NR, 20120802

fiatec-no.: S-SEN 201101.KW49-M5.1 - M5.2

### 1. Particle collection efficiency

Test aerosol:	Paraffin oil + NaCl	Particle counter:	TSI OPC 3330
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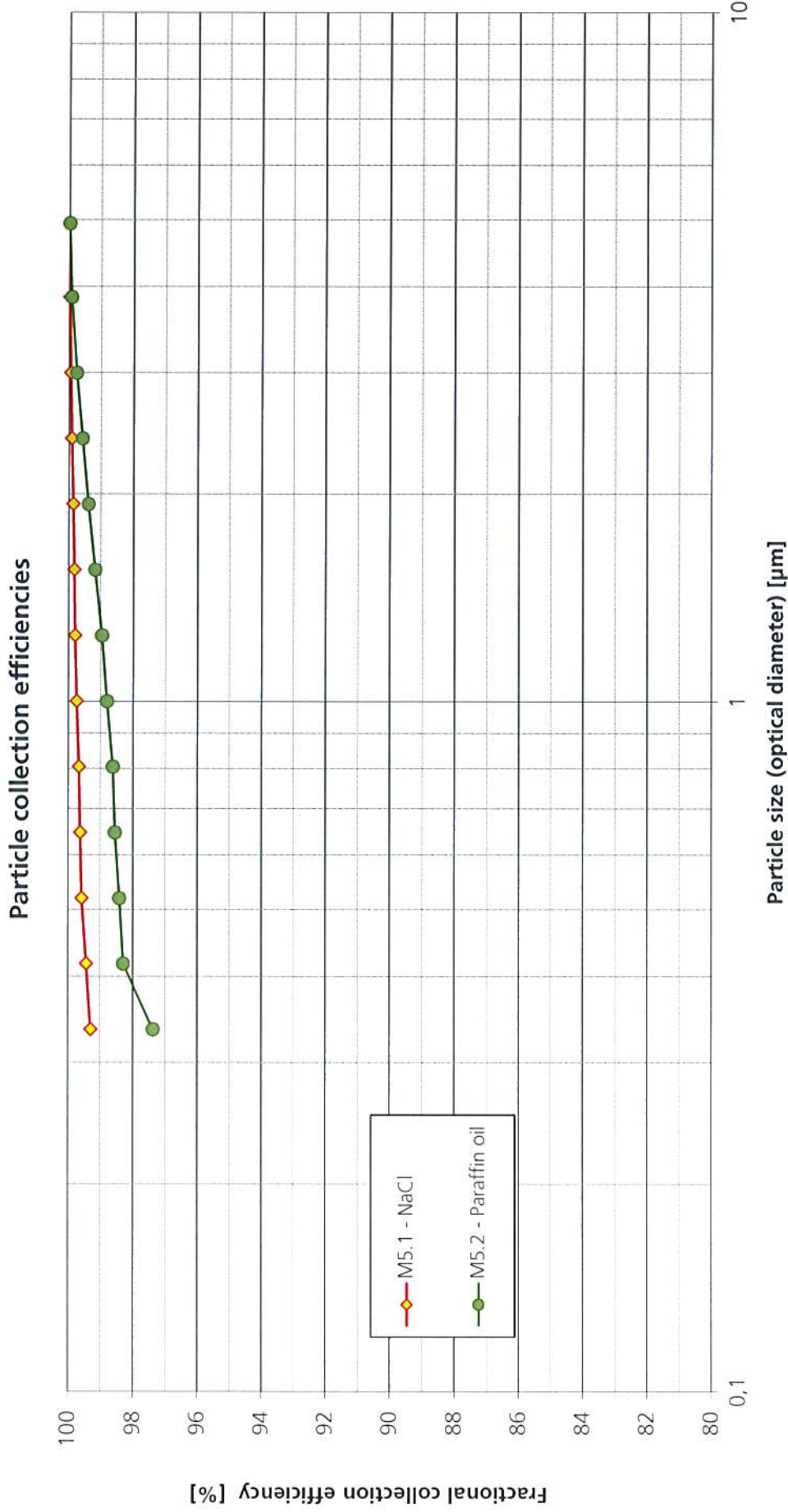
Flow rate: 95 l/min	M5.1 - NaCl		M5.2 - Paraffin oil	
Particle size (optical)	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$
[ $\mu\text{m}$ ]	[%]	[%]	[%]	[%]
0,33	99,3	0,0	97,4	0,1
0,42	99,4	0,0	98,3	0,1
0,52	99,6	0,0	98,4	0,1
0,65	99,6	0,0	98,6	0,1
0,80	99,7	0,1	98,6	0,2
1,00	99,7	0,0	98,8	0,2
1,25	99,8	0,0	99,0	0,1
1,55	99,8	0,0	99,2	0,2
1,93	99,9	0,0	99,4	0,2
2,41	99,9	0,0	99,6	0,3
3,00	>99,9	0,0	99,8	0,3
3,86	>99,9	0,0	99,9	0,2
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]	98	179
M5.2	[Pa]	108	192



Customer: Sentias GmbH & Co. KG

fiatec no.: S-SEN 201101.KW49 - M5.1 - M5.2

Sample: FFP2 NR, 20120802

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

Date: 11.12.2020

Particle counter: TSI OPC 3330