

## Attachment 6 to test report S-SEN 201101.KW50

Summary of test results

FFP2 NR, 20120812

fiatec-no.: S-SEN 201101.KW50-M6.1 - M6.2

### 1. Particle collection efficiency

Test aerosol:	Paraffin oil + NaCl	Particle counter:	TSI OPC 3330
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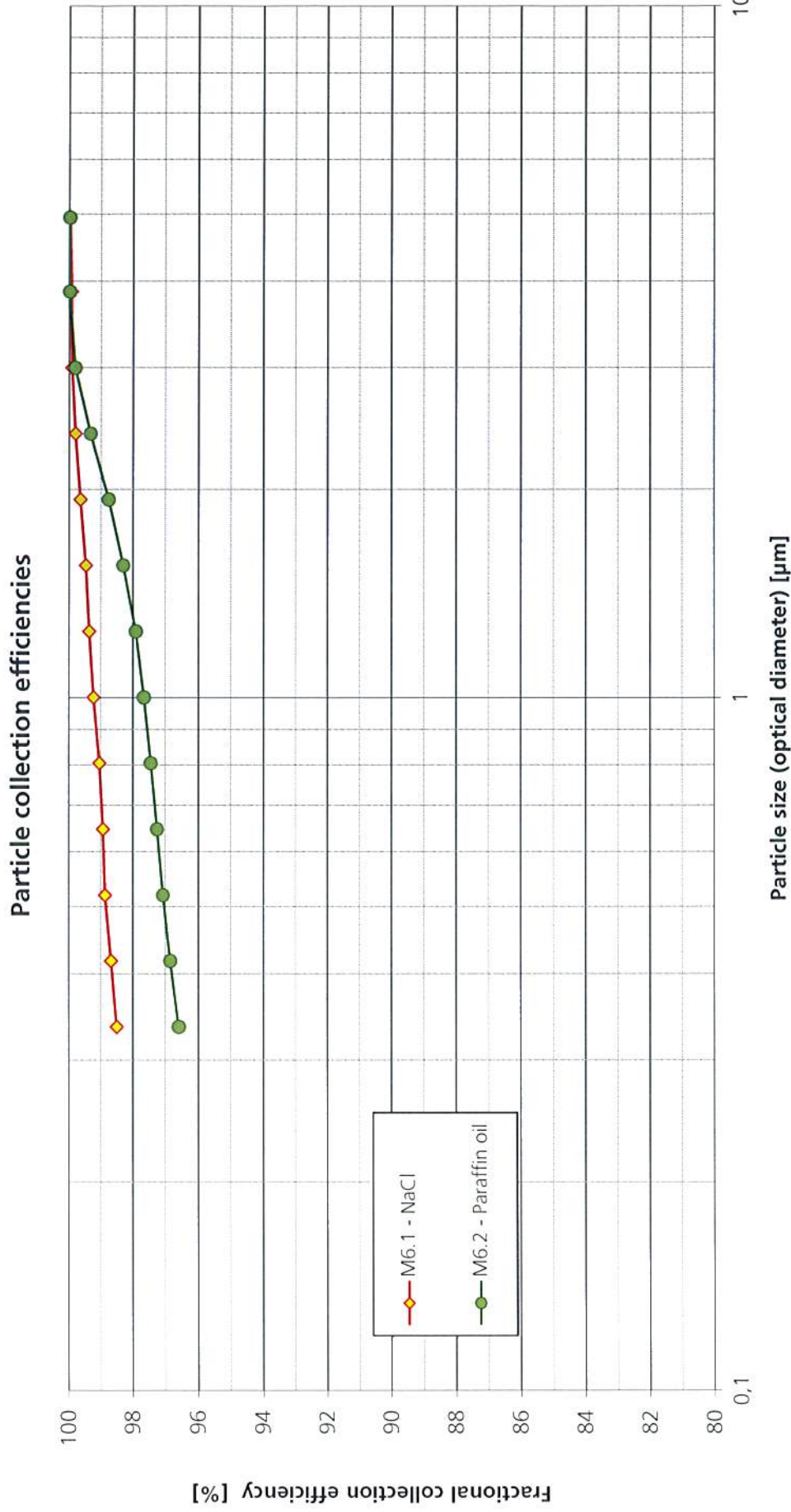
Flow rate: 95 l/min	M6.1 - NaCl		M6.2 - Paraffin oil	
Particle size (optical)	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$	$\eta_{\text{mean}}^*$	$\Delta_{\text{max}}^{**}$
[ $\mu\text{m}$ ]	[%]	[%]	[%]	[%]
0,33	98,5	0,1	96,6	0,1
0,42	98,7	0,2	96,9	0,1
0,52	98,9	0,2	97,1	0,2
0,65	99,0	0,1	97,3	0,1
0,80	99,1	0,1	97,5	0,3
1,00	99,3	0,1	97,7	0,2
1,25	99,4	0,1	97,9	0,1
1,55	99,5	0,1	98,3	0,1
1,93	99,7	0,1	98,8	0,3
2,41	99,8	0,1	99,3	0,3
3,00	>99,9	0,0	99,8	0,2
3,86	>99,9	0,0	>99,9	0,0
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
M6.1	[Pa]	108	190
M6.2	[Pa]	111	197



Customer: Sentias GmbH & Co. KG

fiatec no.: S-SEN 201101.KW50 - M6.1 - M6.2

Sample: FFP2 NR, 20120812

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

Date: 11.12.2020

Particle counter: TSI OPC 3330