

Attachment 7 to test report S-SEN 201101.KW51

Summary of test results

FFP2 NR, 20121504

fiatec-no.: S-SEN 201101.KW51-M7.1 - M7.2

1. Particle collection efficiency

Test aerosol:	Paraffin oil + NaCl	Particle counter:	TSI OPC 3330
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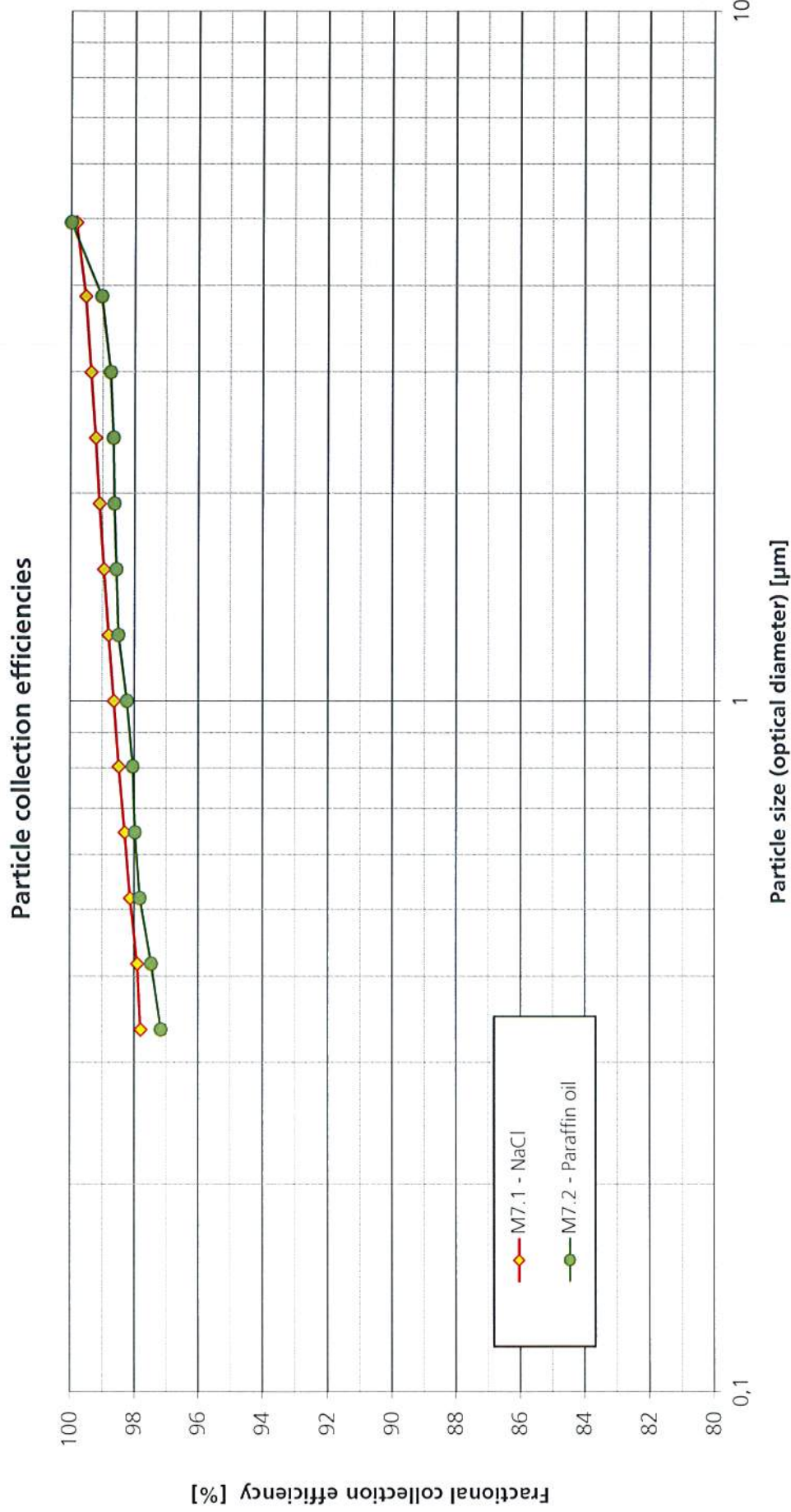
Flow rate: 95 l/min	M7.1 - NaCl		M7.2 - Paraffin oil	
Particle size (optical)	η_{mean}^*	Δ_{max}^{**}	η_{mean}^*	Δ_{max}^{**}
[μm]	[%]	[%]	[%]	[%]
0,33	97,8	0,1	97,2	0,1
0,42	97,9	0,1	97,5	0,1
0,52	98,1	0,1	97,8	0,1
0,65	98,3	0,0	98,0	0,1
0,80	98,5	0,1	98,1	0,0
1,00	98,6	0,0	98,2	0,1
1,25	98,8	0,1	98,5	0,1
1,55	99,0	0,1	98,6	0,1
1,93	99,1	0,0	98,6	0,0
2,41	99,2	0,1	98,7	0,1
3,00	99,4	0,1	98,8	0,1
3,86	99,5	0,0	99,0	0,2
4,94	99,8	0,1	>99,9	0,0

* 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
M7.1	[Pa]	93	160
M7.2	[Pa]	98	163



Customer: Sentias GmbH & Co. KG
 fiatec no.: S-SEN 201101.KW51 - M7.1 - M7.2
 Sample: FFP2 NR, 20121504

Flow rate: 95 l/min
 Test aerosol: **Paraffin oil + NaCl**
 Date: 02.12.2020
 Particle counter: TSI OPC 3330