

Meetreport/measurement report nr	Sample 2	DATE	2020/6/22
Client name	Sheng Dong Sheng Qian	Mouth Mask Brand	Sheng Dong Sheng Qian
address		Mouth Mask Type	FFP2
email		sterilised/new	
Phone			
		Operator Name	S. J. De
		time	9:28
		FOTO nr	

Lighthouse 3100 output

benchmarking											
Flow	1F*3										
measurement time	1min										
Mouth Mask Type		0.3	0.5	1.0	3.0	5.0					
particle size											
environment particles 1		1138963	70235	13571	1073					690	
environment particles 2		1236249	83193	16672	776					355	
environment particles 3		1242640	88055	18822	1225					630	
average		<b>1205967</b>	<b>80494</b>	<b>16355</b>	<b>1026</b>	<b>588</b>					
particles counted		0.3 µm	0.5 µm	1.0 µm	3 µm	5 µm	percentage particles filtered [%]				
							0.3	0.5	1.0	3.0	5.0
Mouth Mask Type											
sample 1		201064	6350	797	14		4	83	92	95	99
sample 2		120648	2607	269	6		1	90	97	98	100
sample 3		127240	3946	484	11		7	89	95	97	99
mean		<b>160861.0</b>	<b>4478.5</b>	<b>533.0</b>	<b>10.0</b>	<b>2.5</b>		<b>87.6</b>	<b>94.7</b>	<b>96.8</b>	<b>99.0</b>

Important note:

- Measurements are done with dry environmental particles according to our own standards based on a collaborative research project with the Technical University Delft. The percentages indicate the percentage of particles filtered per particle size category (0.3 0.5 1 and 5 µm) in a standardised volume of air.
- More information about the measurement setup, measurement protocols and influence of particle measurement device can be found on [www.mist.nl](http://www.mist.nl) and [www.greencycl.org](http://www.greencycl.org)
- Sample a&b represent 2 different locations on the first masker and tested separate from sample . Results are calculated subsequently

Measurement/report no	Sample 4	DATE	5/23/2020	Lighthouse 3100 output	
Client name	山东蓝泉新材料股份有限公司 Shandong shengquan	Mouth Mask Brand	山东蓝泉新材料股份有限公司 Shandong shengquan		
address		Mouth Mask Type	FFP2		
email		sterilised/new	SF1084670887179		
Phone					
		Operator Name	S. L. De		
		Time	16:45		
		FOTO nr			

benchmarking						
Flow	IFAB					
measurement time	1min					
Mouth Mask Type						
particle size	0.3	0.5	1.0	3.0	5.0	
environment particles 1		2005340	180237	27306	2154	1377
environment particles 2		1990838	171356	24096	1004	520
environment particles 3		1948776	159550	22136	709	327
average	1981651	170361	24513	1289	741	
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]
Mouth Mask Type						
sample 1	464236	8163	402	2		1 77 95 98 100 100
sample 2	356230	5614	276	2		0 82 97 99 100 100
sample 3	426440	7276	358	5		1 78 96 99 100 100
mean	410745.0	6888.5	340.0	2.0		0.5 79.0 95.9 98.6 99.8 99.9

Important note:

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Meetrapport/measurement report nr.	Sample 14	DATE		Lighthouse 3100 output	
Client name	Shandong Shengquan New Materials Co., Ltd	Mouth Mask Brand	Shandong Shengquan New Materials Co., Ltd		
address	Hooftdstraat 25, 3971 RA Driebergen-Rijsenburg	Mouth Mask Type	FFP2		
email		sterilised/new	SF1089977181997		
Phone		Operator Name			
		time	5:12a		
		FOTO nr	12/46		

Flow measurement time	0.3		0.5		1.0		3.0		5.0		percentage particles filtered (%)					
	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	0.3	0.5	1.0	3.0	5.0						
environment particles 1		1116065	73413	8899	311											
environment particles 2		1102056	73716	9713	434											
environment particles 3		1091876	74966	10653	635											
average	1103999	73998	9752	460	270											
particles counted																
sample 1		51575	974	75	3						95	99	99	99	100	
sample 2		74566	1523	119	1						93	98	99	100	100	
sample 3		71325	1270	101	1						94	98	99	100	100	
mean	63070.5	1248.5	97.0	2.0	0.0						94.0	98.3	99.0	99.6	100.0	

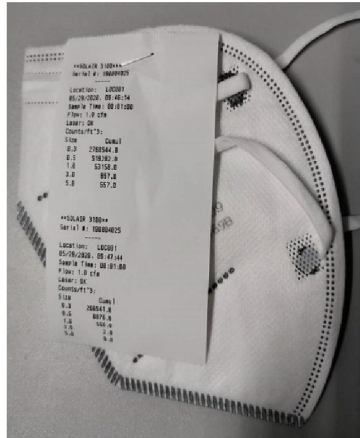
Important note:

- Measurements are done with dry environmental particles according to our own standards based on a collaborative research project with the Technical University Delft. The percentages indicate the percentage of particles filtered per particle size category (0.3 0.5 1 and 5 mu) in a standardised volume of air.
- More information about the measurement setup, measurement protocols and influence of particle measurement device can be found on [www.mist.nl](http://www.mist.nl) and [www.greencycl.org](http://www.greencycl.org)
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<b>Meetsport/measurement report nr.</b>	Sample 17	<b>DATE</b>	20200529	<b>Lighthouse 3100 output</b>
<b>Client name</b>	Shandong Shengquan New Materials Co., Ltd	<b>Mouth Mask Brand</b>	Shandong Shengquan New Materials Co., Ltd	
<b>address</b>		<b>Mouth Mask Type</b>	FFP2	
<b>em:ail</b>		<b>sterilised/new</b>	SF107522885869	
<b>Phone</b>				
		<b>Operator Name</b>	5.1.20	
		<b>Time</b>	10:15	
		<b>FOTO nr</b>		

benchmarking											
Flow	IFAS										
measurement time	1min										
Mouth Mask Type											
particle size	0.3	0.5	1.0	3.0	5.0						
environment particles 1	2768544	519282	53158	957		557					
environment particles 2	2768829	522638	54478	1191		744					
environment particles 3	2750762	506709	52371	989		594					
<b>average</b>	<b>2762712</b>	<b>516210</b>	<b>53336</b>	<b>1046</b>		<b>632</b>					
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]					
Mouth Mask Type											
sample 1	266941	8876	555	2		0	0.3	0.5	1.0	3.0	5.0
sample 2	622649	19097	912	0		0	90	98	99	100	100
sample 3	504054	18157	1042	5		1	77	95	98	100	100
<b>mean</b>	<b>444795.0</b>	<b>13956.5</b>	<b>754.0</b>	<b>1.0</b>		<b>0.0</b>	<b>83.2</b>	<b>97.0</b>	<b>98.4</b>	<b>99.8</b>	<b>99.9</b>

- Important note:**
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  - More information about the measurement setup, measurement protocols and influence of particle measurement device can be found on [www.mist.nl](http://www.mist.nl) and [www.greencycl.org](http://www.greencycl.org)
  - Sample a&b represent 2 different locations on the first masker and tested separate from sample . Results are calculated subsequently



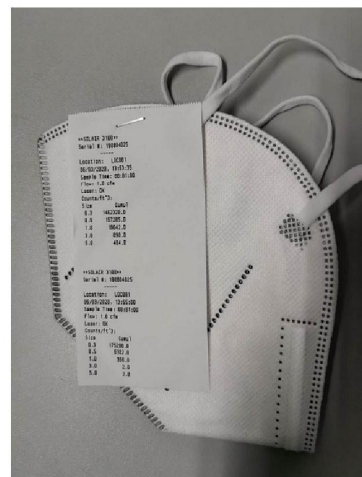
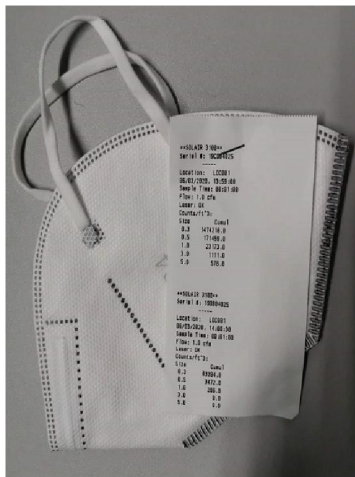


Meetsupport/measurement report nr	Sample 29	DATE	20200603
Client name	Shandong Shengquan New Materials Co., Ltd	Mouth Mask Brand	Shandong Shengquan New Materials Co., Ltd
address		Mouth Mask Type	FFP2
email		Tested/new	new
Phone		Express and No.	SP1089977181536
		Operator Name	S. J. J. e
		time	13:56
		FOTO nr	

benchmarking										
Flow	1FA3									
measurement time	1min									
Mouth Mask Type										
particle size	0.3	0.5	1.0	3.0	5.0					
environment particles 1	1474216	171459	28178	1111	576					
environment particles 2	1477347	167240	21103	947	492					
environment particles 3	1462320	157285	18642	890	484					
average	1471294	165328	20973	983	517					
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]				
Mouth Mask Type						U.S	U.S	1.U	3.U	5.U
sample 1	83394	3472	286	0	0	94	98	99	100	100
sample 2	170427	6307	409	1	0	88	96	98	100	100
sample 3	178280	6102	398	2	2	88	96	98	100	100
mean	126910.5	4934.5	347.5	0.5	0.0	90.3	96.8	98.3	99.0	99.9

Important note:

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- More information about the measurement setup, measurement protocols and influence of particle measurement device can be found on [www.mist.nl](http://www.mist.nl) and [www.greenocyl.org](http://www.greenocyl.org)
- Sample a&b represent 2 different locations on the first masker and tested separate from sample. Results are calculated subsequently

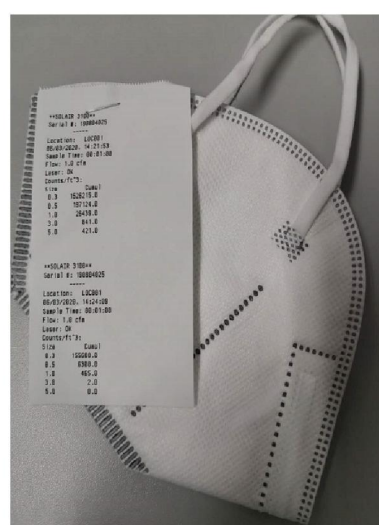
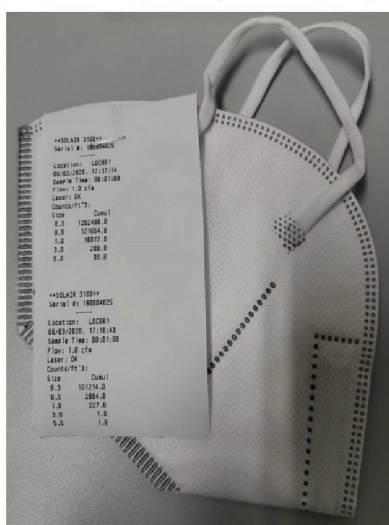


Meetspart/report/measurement report nr	Sample 30	DATE	20200603
Client name	Shandong Shengquan New Materials Co., Ltd	Mouth Mask Brand	Shandong Shengquan New Materials Co., Ltd
address		Mouth Mask Type	FPP2
email		Verified/new	new
Phone		Express and No.	SF1089977182760
		Operator Name	5120
		time	17:17
		FOTO nr	

benchmarking						
Flow	1FA3					
measurement time	1min					
Mouth Mask Type						
particle size	0.3	0.5	1.0	3.0	5.0	
environment particles 1		1800165	181161	18106	434	201
environment particles 2		1262498	121654	16017	209	99
environment particles 3		1526215	197124	26499	841	421
average		1362959	149980	20187	495	240
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	
Mouth Mask Type						percentage particles filtered [%]
sample 1		119647	4776	362	2	U.S. U.S. U.S. U.S. U.S.
sample 2		101214	2994	227	1	91 97 98 100 100
sample 3		155688	6800	465	2	93 98 99 100 100
mean		110430.5	3885.0	294.5	1.5	89 96 98 100 100

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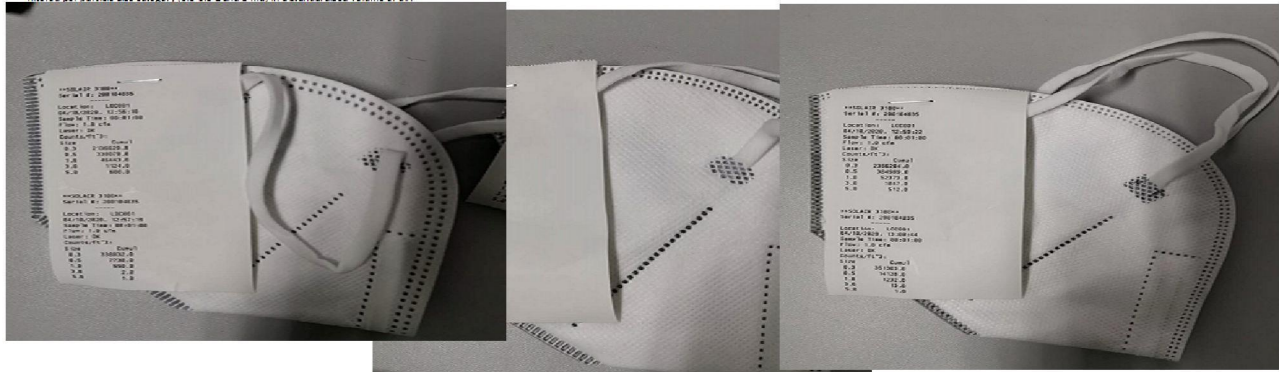




Mectrapport/measurement report nr.	Sample 34	DATE	20200608
Client name	Shandong Shengquan New Materials Co., Ltd	Mouth Mask Brand	Shandong Shengquan New Materials Co., Ltd
address		Mouth Mask Type	FFP2
email		Artifical/new	new
Phone		Express and No.	SF1081998-021311
		Operator Name	S. J. Ze
		time	12:56
		FOTO nr	

benchmarking										
Flow	1F <sup>3</sup>									
measurement time	1min									
Mouth Mask Type										
particle size	0.3	0.5	1.0	3.0	5.0					
environment particles 1	2186620	388070	46445	1124		600				
environment particles 2	2374758	394690	55711	1872		1200				
environment particles 3	2866284	384989	52373	1047		512				
average	2292554	372583	51509	1348		771				
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]				
Mouth Mask Type						0.3	0.5	1.0	3.0	5.0
sample 1	338832	7738	550	2	1	85	98	99	100	100
sample 2	324967	30432	816	6	2	86	97	98	100	100
sample 3	351303	24128	1232	13	1	85	96	98	99	100
mean	331899.5	9085.0	683.0	4.0	1.5	85.2	97.1	98.3	99.5	99.8

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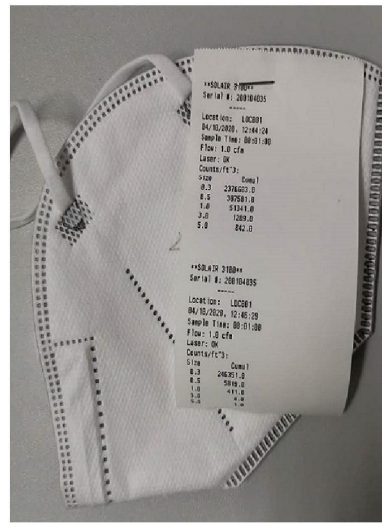
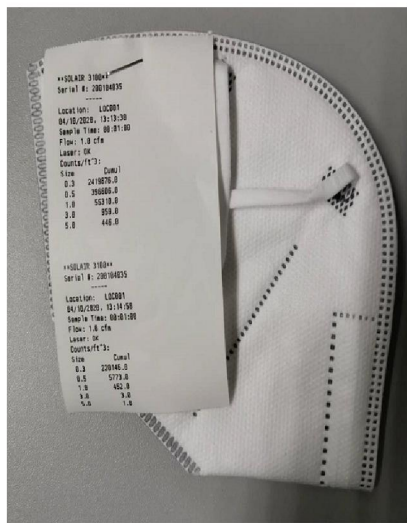
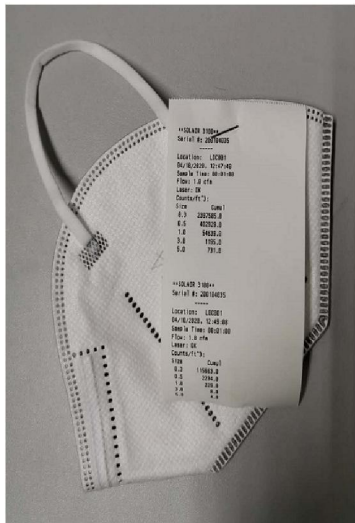
<b>Meetspart/report/measurement report nr.</b>	Sample 33	<b>DATE</b>	20200608
<b>Client name</b>	Shandong Shengquan New Materials Co., Ltd	<b>Mouth Mask Brand</b>	Shandong Shengquan New Materials Co., Ltd
<b>address</b>		<b>Mouth Mask Type</b>	FFP2
<b>email</b>		<b>sterilised/new</b>	new
<b>Phone</b>		<b>Express and No.</b>	SP1081998399331
		<b>Operator Name</b>	5120
		<b>Time</b>	12:47
		<b>FOTO nr</b>	

**benchmarking**  
**Flow** 1F\*3  
**measurement time** 1min  
**Mouth Mask Type**

particle size	0.3	0.5	1.0	3.0	5.0	
environment particles 1	2397585	402929	54639	1195		731
environment particles 2	2419876	396606	55310	959		446
environment particles 3	2376605	387501	51341	1289		842
<b>average</b>	<b>2398021</b>	<b>395679</b>	<b>53763</b>	<b>1148</b>		<b>673</b>
<b>particles counted</b>	<b>0.3 mu</b>	<b>0.5 mu</b>	<b>1.0 mu</b>	<b>3 mu</b>	<b>5 mu</b>	<b>percentage particles filtered [%]</b>
<b>Mouth Mask Type</b>						0.3 0.5 1.0 3.0 5.0
sample 1	115960	2234	229	8	4	95 99 100 99 99
sample 2	220146	5773	452	3	1	91 99 99 100 100
sample 3	246351	5319	411	4	1	90 99 99 100 100
<b>mean</b>	<b>167906.5</b>	<b>4003.5</b>	<b>340.5</b>	<b>5.5</b>	<b>2.5</b>	<b>91.9 98.8 99.3 99.6 99.7</b>

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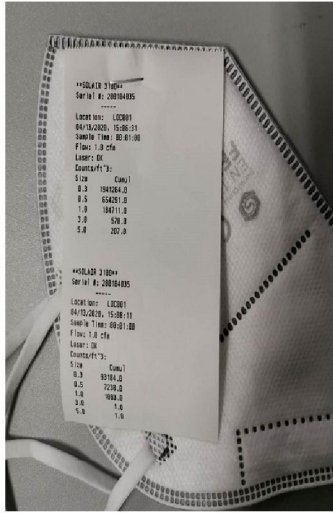
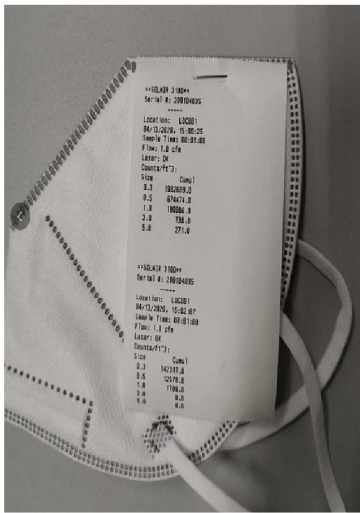


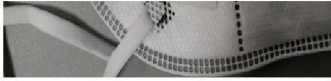


<b>Meetsport/measurement report nr.</b>	Sample 3B	<b>DATE</b>	20200611
<b>Client name</b>	Shandong Shengquan New Materials Co., Ltd	<b>Mouth Mask Brand</b>	Shandong Shengquan New Materials Co., Ltd
<b>address</b>		<b>Mouth Mask Type</b>	FFP2
<b>email</b>		<b>Modelled/new</b>	new
<b>Phone</b>		<b>Express and No.</b>	SP1081998-614472
		<b>Operator Name</b>	512e
		<b>time</b>	14:56
		<b>FOTO nr</b>	

benchmarking										
<b>Flow</b>	1F*3									
<b>measurement time</b>	1min									
<b>Mouth Mask Type</b>										
<b>particle size</b>	0.3	0.5	1.0	3.0	5.0					
environment particles 1	1982689	674474	190990	798		271				
environment particles 2	1941264	654291	184711	570		207				
environment particles 3	1998839	646531	170700	938		394				
<b>average</b>	1972597	658432	182124	749		291				
<b>particles counted</b>	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]				
<b>Mouth Mask Type</b>						0.3	0.5	1.0	3.0	5.0
sample 1	142317	22578	1709	0		0	95	98	99	100
sample 2	93194	7238	1095	1		1	95	99	99	100
sample 3	81394	5400	712	4		2	96	99	100	99
<b>mean</b>	117750.5	9908.0	1401.0	0.5		0.5	94.6	98.7	99.4	99.8

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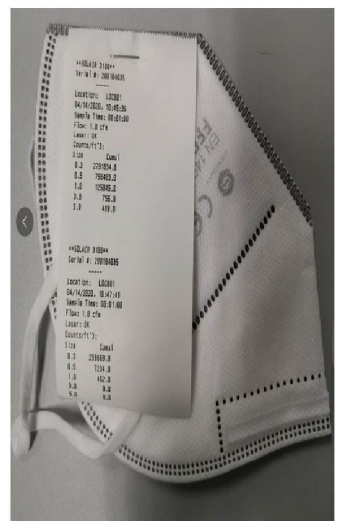


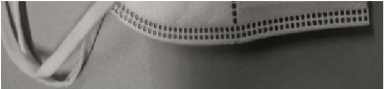


<b>Meetsport/measurement report nr.</b>	Sample 41	<b>DATE</b>	20200612
<b>Client name</b>	Shandong Shengquan New Materials Co., Ltd	<b>Mouth Mask Brand</b>	Shandong Shengquan New Materials Co., Ltd
<b>address</b>		<b>Mouth Mask Type</b>	FFP2
<b>email</b>		<b>Model/new</b>	mm9
<b>Phone</b>		<b>Express and No.</b>	SF1024570240554
		<b>Operator Name</b>	S. J. Ze
		<b>time</b>	10:48
		<b>FOTO nr</b>	

<b>benchmarking</b>											
<b>Flow</b>	1F*3										
<b>measurement time</b>	1min										
<b>Mouth Mask Type</b>											
<b>particle size</b>	0.3	0.5	1.0	3.0	5.0						
<b>environment particles 1</b>	2861455	849895	134215	823		469					
<b>environment particles 2</b>	2865576	840274	130862	689		421					
<b>environment particles 3</b>	2791834	758483	125045	756		489					
<b>average</b>	2838955	829551	130041	756		460					
<b>particles counted</b>	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	<b>percentage particles filtered [%]</b>					
<b>Mouth Mask Type</b>						0.3	0.5	1.0	3.0	5.0	
<b>sample 1</b>	388573	16091	1127	0	0	86	98	99	100	100	
<b>sample 2</b>	302705	13594	1057	1	0	89	98	99	100	100	
<b>sample 3</b>	259669	7224	452	0	0	91	99	100	100	100	
<b>mean</b>	345639.0	14842.5	1092.0	0.5	0.0	88.8	96.5	99.3	100.0	100.0	

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  - Sample a&b represent 2 different locations on the first masker and tested separate from sample . Results are calculated subsequently





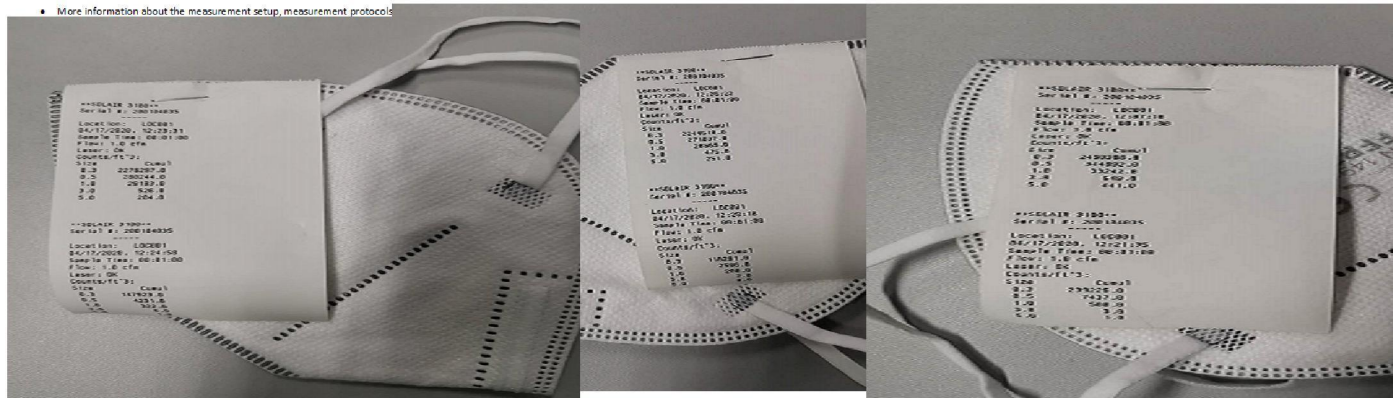
Mectrapport/measurement report nr.	Sample 43	DATE	20200615	Lighthouse 3100 output
Client name	Shandong Shengquan New Materials Co., Ltd	Mouth Mask Brand	Shandong Shengquan New Materials Co., Ltd	
address		Mouth Mask Type	FFP2	
email		refilled/new	new	
Phone		Express and No.	SP1089977182549	
		Operator Name	5.1.20	
		time	12:20	
		FOTO nr		

benchmarking

Flow	1F <sup>13</sup>										
measurement time	1min										
Mouth Mask Type											
particle size	0.3	0.5	1.0	3.0	5.0						
environment particles 1	2276297	280244	29195	526		284					
environment particles 2	2244618	271837	28669	475		251					
environment particles 3	2490385	344892	33242	649		441					
average	2337100	298991	30368	550		325					
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]					
Mouth Mask Type						0.3	0.5	1.0	3.0	5.0	
sample 1	147923	4231	322	6		1	94	99	99	99	100
sample 2	118291	2586	200	2		0	95	99	99	100	100
sample 3	239226	7437	500	3		1	90	98	98	99	100
mean	133107.0	3406.5	261.0	4.0		0.5	92.8	96.4	98.9	99.3	99.8

Important note:

- Measurements are done with dry environmental particles according to our own standards based on a collaborative research project with the Technical university Delft. The percentages indicate the percentage of particles filtered per particle size category (0.3 0.5 1 and 5 mu) in a standardised volume of air.
- More information about the measurement setup, measurement protocol:





<b>Measurement report nr.</b>	Sample 45	<b>DATE</b>	20200615	<b>Lighthouse 3100 output</b>
<b>Client name</b>	Shandong Shengquan New Materials Co., Ltd	<b>Mouth Mask Brand</b>	Shandong Shengquan New Materials Co., Ltd	
<b>address</b>		<b>Mouth Mask Type</b>	FFP2	
<b>email</b>		<b>sterilised/new</b>	new	
<b>Phone</b>		<b>Express and No.</b>	SF1024711965604	
		<b>Operator Name</b>	S. J. J.	
		<b>time</b>	12:31	
		<b>FOTO nr</b>		

benchmarking

Flow: 1f³3  
 measurement time: 1min

**Mouth Mask Type**

particle size	0.3	0.5	1.0	3.0	5.0	
environment particles 1	2094588	284404	26276	717		401
environment particles 2	2188516	256428	27863	681		376
environment particles 3	2141324	245886	27405	695		384
<b>average</b>	<b>2141476</b>	<b>245573</b>	<b>27181</b>	<b>698</b>		<b>387</b>

particles counted

particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]	0.3	0.5	1.0	3.0	5.0
<b>Mouth Mask Type</b>											
sample 1	165417	4797	322	6		1	92	98	99	99	100
sample 2	238501	6303	431	3		0	88	97	98	100	100
sample 3	81003	1917	149	2		0	96	99	99	100	100
<b>mean</b>	<b>211959.0</b>	<b>5550.0</b>	<b>376.5</b>	<b>4.5</b>		<b>0.5</b>	<b>92.1</b>	<b>96.2</b>	<b>98.9</b>	<b>99.5</b>	<b>99.9</b>

Important note: Measurements are done with dry environmental particles according to our own standards based on a collaborative research project with the Technical university Delft. The percentages indicate the percentage of particles filtered per particle size category (0.3 0.5 1 and 5 mu) in a standardised volume of air.





Mectrapport/measurement report nr.	Sample 46	DATE	20200615	Lighthouse 3100 output
Client name	Shandong Shengquan New Materials Co., Ltd	Mouth Mask Brand	Shandong Shengquan New Materials Co., Ltd	
address		Mouth Mask Type	FFP2	
email		sterilised/new	new	
Phone		Express and No.	SF1001998382203	
		Operator Name	S. J. Z. G.	
		time	12:30	
		FOTO nr		

benchmarking

Flow 1F\*3

measurement time 1min

Mouth Mask Type

particle size	0.3	0.5	1.0	3.0	5.0					
environment particles 1		2190983	292801	28212	533	252				
environment particles 2		2119632	283161	27436	502	235				
environment particles 3		2192752	306901	29048	518	267				
average	2154456	294288	28232	518		251				
particles counted	0.3 mu	0.5 mu	1.0 mu	3 mu	5 mu	percentage particles filtered [%]				
Mouth Mask Type						0.3	0.5	1.0	3.0	5.0
sample 1		97297	5380	387	1	1	95	98	99	100
sample 2		45468	1765	127	4	1	98	99	100	99
sample 3		63837	3012	230	0	0	97	99	99	100
mean		71382.5	3572.5	257.0	2.5	1.0	96.8	98.8	99.1	99.7

Important note:

- Measurements are done with dry environmental particles according to our own standards based on a collaborative research project with the Technical university Delft. The percentages indicate the percentage of particles filtered per particle size category (0.3 0.5 1 and 5 mu) in a standardised volume of air.
- More information about the measurement setup, measurement protocols and influence of particle measurement device can be found on [www.mist.nl/en/voorwaarden](http://www.mist.nl/en/voorwaarden)

