



## Test Dust-Reemission

acc. to Commission Delegated Regulation (EU) No. 665 / 2013, IV. 2. (I)

### Test Identification

Operator	wa	Date	10.06.2014
File name	1219-14-1A.dre	Time	09:16:57
Particle counter	15157	Ambient pressure	98,2 kPa
Dilution intake/exhaust	1: 10000 / 1:10	Ambient temp.	26,4 °C
Test voltage	230 VAC, 50 Hz	Relative humidity	59,6 %

Comment

### Test Device

Type	UC 031102 (Healthcare Pro)	Serial number	
Manufacturer	Lindhaus	Device data	
State		acc. type plate	

### Filter equipment

Dust bag	Fleece bag	Manufacturer	
Motor protection	Carbon active / micro filter	Manufacturer	
Exhaust filter	HEPA filter (H 11)	Manufacturer	

### Test Results

Volumetric air flow	27,0 l/s	<b>DRE / Class</b>	<b>0,14 %</b>	<b>Class: C</b>
Dust type	AC Fine	<b>Stat. Precision</b>	<b>0,010 %</b>	
Dust fed	1,618 g (in 10 min)	calculated values for particle size range $d_{MIN} - d_{MAX}$		
Dust concentration	100 mg/m <sup>3</sup>	d MIN	0,3 µm	d MAX 10,0 µm

### Individual test data

Test phase	Start time [hh:mm:ss]	Duration [hh:mm:ss]	DRE [%]	Q [l/s]	T <sub>EXHAUST</sub> [°C]
Background	09:22:07	0:02:03		26,8	36,7
Conditioning	09:26:16	0:10:11		26,8	40,5
Measurement	09:37:39	0:09:21	0,14	26,8	40,5

Particle registration and evaluation					Penetration values
adjusted size ranges		geometric diameter	statistically evaluated particle sums for 5 individual samples		for statistically
d <sub>CLASS_MIN</sub>	d <sub>CLASS_MAX</sub>	d <sub>GEO</sub>	intake air	exhaust air	evaluated particle sums
[µm]	[µm]	[µm]	[#]	[#]	[%]
0,3	0,5	0,4	313122467	1022278	0,32648
0,5	0,7	0,6	167325375	247957	0,14819
0,7	1,1	0,9	179038141	84058	0,04695
1,1	1,7	1,4	121202900	17880	0,01475
1,7	2,7	2,2	90753506	3856	0,00425
2,7	4,2	3,5	48535180	1174	0,00242
4,2	6,5	5,4	21207966	545	0,00257
6,5	10,0	8,3	7571142	451	0,00596
			948756677	1378199	



## Test Filtration Efficiency acc. to IEC 60312-1; A5.11

### Test Identification

Operator:	wa	Date:	10.06.2014
File name:	1219-14-1A.dre	Time:	09:16:57
Particle counter:	15157	Ambient pressure:	98,2 kPa
Dilution:	1: 10000 / 1:10	Ambient temp.:	26,4 °C
Test voltage:	230 VAC, 50 Hz	Relative humidity:	59,6 %

Comment:

### Test Device

Type:	UC 031102 (Healthcare Pro)	SN:	
Manufacturer:	Lindhaus	Device data:	
State:		Acc. to type plate:	

### Filter equipment

Dust bag:	Fleece bag	Manufacturer:	
Motor protection:	Carbon active / micro filter	Manufacturer:	
Exhaust filter:	HEPA filter (H 11)	Manufacturer:	

### Test Results

Volumetric air flow	27,0 l/s	<b>DRC [ % ]</b>	<b>99,95669</b>
Dust type	AC Fine	calculated values for particle size range d <sub>MIN</sub> - d <sub>MAX</sub>	
Dust feed	1,618 g (in 10 min)	d <sub>MIN</sub>	d MIN 0,5 µm
Dust concentration:	100 mg/m <sup>3</sup>	d <sub>MAX</sub>	d MAX 5,0 µm

### Individual test data

Test phase	Start time [hh:mm:ss]	Duration [hh:mm:ss]	DRC [%]	Q [l/s]	T <sub>EXHAUST</sub> [°C]
Background	09:22:07	0:02:03		26,8	36,7
Conditioning	09:26:16	0:10:11		26,8	40,5
Measurement	09:37:39	0:09:21	99,95669	26,8	40,5

### Statistic values measurement

Particle registration and evaluation					DRC-values
adjusted size ranges		geometric diameter	statistic evaluated particle sums for 5 individual test runs		for statistical evaluated
d <sub>CLASS_MIN</sub>	d <sub>CLASS_MAX</sub>	d <sub>GEO</sub>	intake air	exhaust air	particle sums
[µm]	[µm]	[µm]	[#]	[#]	[%]
0,3	0,5	0,4	313122467	1022278	99,67352
0,5	0,7	0,6	167325375	247957	99,85181
0,7	1,1	0,9	179038141	84058	99,95305
1,1	1,7	1,4	121202900	17880	99,98525
1,7	2,7	2,2	90753506	3856	99,99575
2,7	4,2	3,5	48535180	1174	99,99758
4,2	6,5	5,4	21207966	545	99,99743
6,5	10,0	8,3	7571142	451	99,99404
			948756677	1378199	