



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	1219-14-2A.dre	Time	10:12:04
Particle counter	15157	Ambient pressure	98,1 kPa
Dilution intake/exhaust	1: 10000 / 1:10	Ambient temp.	27,1 °C
Test voltage	231 VAC, 50 Hz	Relative humidity	57,2 %

Comment

Test Device

Type	UC 011502 (RX Eco Force)	Serial number	
Manufacturer	Lindhaus	Device data	
State		acc. type plate	

Filter equipment

Dust bag	Paper bag	Manufacturer	
Motor protection	Foam	Manufacturer	
Exhaust filter	Microfilter	Manufacturer	

Test Results

Volumetric air flow	26,1 l/s	DRE / Class	0,23 %	Class: D
Dust type	AC Fine	Stat. Precision	0,010 %	
Dust fed	1,564 g (in 10 min)	calculated values for particle size range $d_{MIN} - d_{MAX}$		
Dust concentration	100 mg/m ³	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 _{EXHAUST} [°C]
Background	10:17:15	0:02:03		26,2	37,7
Conditioning	10:21:48	0:10:11		25,6	41,0
Measurement	10:33:13	0:09:21	0,23	25,6	41,0

Particle registration and evaluation					Penetration values
adjusted size ranges		geometric diameter	statistically evaluated particle sums for 5 individual samples		for statistically
d _{CLASS_MIN}	d _{CLASS_MAX}	d _{GEO}	intake air	exhaust air	evaluated particle sums
[µm]	[µm]	[µm]	[#]	[#]	[%]
0,3	0,5	0,4	343080345	1735987	0,50600
0,5	0,7	0,6	182314256	507777	0,27852
0,7	1,1	0,9	199581767	217562	0,10901
1,1	1,7	1,4	140338805	56443	0,04022
1,7	2,7	2,2	114216015	14969	0,01311
2,7	4,2	3,5	67727660	2778	0,00410
4,2	6,5	5,4	33515928	1130	0,00337
6,5	10,0	8,3	13266635	707	0,00533
			1094041411	2537353	



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

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Particle counter:	15157	Ambient pressure:	98,1 kPa
Dilution:	1: 10000 / 1:10	Ambient temp.:	27,1 °C
Test voltage:	231 VAC, 50 Hz	Relative humidity:	57,2 %

Comment:

Test Device

Type:	UC 011502 (RX Eco Force)	SN:	
Manufacturer:	Lindhaus	Device data:	
State:		Acc. to type plate:	

Filter equipment

Dust bag:	Paper bag	Manufacturer:	
Motor protection:	Foam	Manufacturer:	
Exhaust filter:	Microfilter	Manufacturer:	

Test Results

Volumetric air flow	26,1 l/s	DRC [%]	99,91101
Dust type	AC Fine	calculated values for particle size range d _{MIN} - d _{MAX}	
Dust feed	1,564 g (in 10 min)	d _{MIN}	d MIN 0,5 µm
Dust concentration:	100 mg/m ³	d _{MAX}	d MAX 5,0 µm

Individual test data

Test phase	Start time [hh:mm:ss]	Duration [hh:mm:ss]	DRC [%]	Q [l/s]	T _{EXHAUST} [°C]
Background	10:17:15	0:02:03		26,2	37,7
Conditioning	10:21:48	0:10:11		25,6	41,0
Measurement	10:33:13	0:09:21	99,91101	25,6	41,0

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 _{CLASS_MIN}	d _{CLASS_MAX}	d _{GEO}	intake air	exhaust air	particle sums
[µm]	[µm]	[µm]	[#]	[#]	[%]
0,3	0,5	0,4	343080345	1735987	99,49400
0,5	0,7	0,6	182314256	507777	99,72148
0,7	1,1	0,9	199581767	217562	99,89099
1,1	1,7	1,4	140338805	56443	99,95978
1,7	2,7	2,2	114216015	14969	99,98689
2,7	4,2	3,5	67727660	2778	99,99590
4,2	6,5	5,4	33515928	1130	99,99663
6,5	10,0	8,3	13266635	707	99,99467
			1094041411	2537353	