



中国认可
国际互认
检测
TESTING
CNAS L8342

Test Report

№ 0623-20A-01

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Report No.	0623-20A-01
Date of issue.....	2020-12-17
Total number of pages.....	4 pages
Sample description	
Product name.....	Air filter
Trade Mark.....	N/A
Model / Type	H14combi filter
Ratings.....	--
Number of samples tested.....	Sample 1: 20-0623-01
Specifications.....	Maximum air-filter flow rate: 350 m ³ /h Dimensions (L x W x Height): 360*340*45 mm Pleat number (windward side): 48 Filter medium area (claimed): -- m ²
Applicant's name.....	Stadler Form Aktiengesellschaft
Address.....	Chamerstrasse 174, 6300 Zug, Switzerland
Possible test case verdicts:	
Does not apply to the test object.....	N/A (Not applicable)
Does not test the requirement.....	N/T (Not test)
Does meet the requirement.....	P (Pass)
Does not meet the requirement.....	F (Fail)
Test specification:	
Test Items.....	High efficiency air filters performance testing
Method.....	EN 1822-1: 2009; EN 1822-5: 2009
Date of receipt of test item.....	2020-12-10
Date (s) of performance of tests.....	2020-12-10 to 2020-12-10
Testing Laboratory	Suzhou GTT Service Co., Ltd.
Address.....	No. 70, Zhongshan East Road, Mudu Town, Wuzhong District 215101, Suzhou, China
Tested by(name+signature)	Lili Zhao 
Test Engineer.....	
Approved by(name+signature)	Kaisheng Xiong 
Manager.....	

The test results refer to the tested samples only. Authorisation for the copying of details of this report must be obtained from Suzhou GTT.

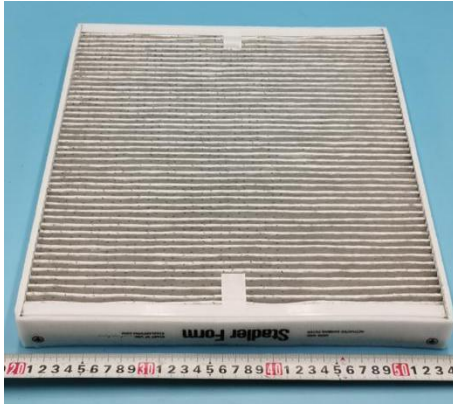
EN 1822-1: 2009 & EN 1822-5: 2009

Clause	Requirement + Test result - Remark	Verdict
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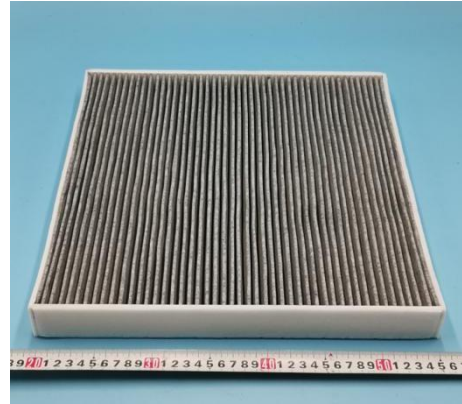
Results summary:

Test statuses: The tests were carried out on the new sample; One sample was tested.

Table 1	Filtration performance; EN 1822-1:2009; cls. 6.5						--
Test air volume flow rate (m ³ /h)			350.4				
Test aerosol substances			DEHS				
Particle size range(μm)	0.1-0.15	0.15-0.2	0.2-0.25	0.25-0.3	0.3-0.5	0.1-0.25	
Sample No.	Δ Pa	Fractional efficiency (%)				Efficiency (%)	
20-0623-01	74	99.9943	99.9952	99.9962	99.9963	99.9964	99.9952

Product photo:

Overview of the sample



Back view of the sample

Summary of testing:

1. From the result of our inspection and tests on the submitted sample(s). We conclude they comply with EN 1822-1: 2009 High efficiency air filters (EPA, HEPA and ULPA) - Part 1: Classification, performance testing, marking
2. From the result of our inspection and tests on the submitted sample(s). We conclude they comply with EN 1822-5: 2009 High efficiency air filters (EPA, HEPA and ULPA) - Part 5: Determining the efficiency of filter elements

Copy of marking plate:

(The artwork below may be only a draft.)

No marking was provided.

The tests were carried out on a new air filter which is installed and used in accordance with the manufacturer's instructions.

----Test report end----

Attachments are test record.

EN 1822-1:2009 High efficiency air filters(EPA,HEPA and ULPA)-
 Part 1:Classification ,perormance testing,marking
 EN 1822-5:2009 High efficiency air filters(EPA,HEPA and ULPA)-
 Part 5: Determining the efficiency of filter elements



Test Identification

Particle Counter	SOLAIR 1100	Case no.	0623-20A
	Cal due 12,11,2021	Testing period	2020/12/10 11:52
Dilution up/down	DIL554 + TDA-D10 1000/10	Ambient pressure (kPa)	102.2
	Cal due 09,11,2021	Ambient temp. (°C)	24.0
Flowmeter	DY80	Relative humidity (%RH)	48.7
	Cal due 17,11,2022	Operator : Lili Zhao	<i>lili zhao</i>
DP Transmitter	CP112	Reviewed By: Qinghui Zheng	<i>Qinghui zheng</i>
	Cal due 17,11,2021		
Contaminant	DEHS Aerosol		
Comment			

Sample

Type	H14combi filter	Sample no.	20-0623-01
Manufacture	Azurewind	Sample size ,mm	360*340*45
Date of receipt	2020/12/10	Declared air flow rates,m ³ /h	350
State			

Result

Test air flow rates, m ³ /h			350.4							
No.	Pressure loss , Pa	Port	Particles / 0.5 ft ³ at: (in microns)							
			0.1-0.15	0.15-0.20	0.20-0.25	0.25-0.30	0.30-0.50			
1	73	Upstream	11850230	23106660	11678580	2138711	129740			
2	74	Downstream	799	1220	482	94	7			
3	74	Upstream	10645650	20707470	10083780	1862265	102794			
4	74	Downstream	715	1173	434	81	5			
5	74	Upstream	10666610	20601680	10174590	1958073	123752			
6	74	Downstream	601	1080	392	73	4			
7	74	Upstream	8737474	17646610	8784382	1731527	101796			
8	74	Downstream	523	858	377	64	3			
9	73	Upstream	12428070	24019830	12084760	2330326	158682			
10	75	Downstream	459	760	322	58	3			
Total upstream			54328034	106082250	52806092	10020902	616764			
Total downstream			3097	5091	2007	370	22			
Fractional efficiency,%			99.9943	99.9952	99.9962	99.9963	99.9964			
Efficiency (0.10-0.25 μm) ,%			99.9952							