



中国认可
国际互认
检测
TESTING
CNAS L8342

Test Report

№ 0066-22A-01

Suzhou GTT Service Co.,Ltd
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Report No.	0066-22A-01
Date of issue.....	2022-01-19
Total number of pages.....	4 pages
Sample description	
Product name.....	Air filter media
Trade Mark.....	N/A
Model / Type	GenerationS,GenerationX,GenerationY, GenerationZ
Ratings.....	--
Number of samples tested.....	Sample1: 22-0066-01
Specifications.....	Maximum air-filter flow rate: 5.33 cm/s (4.03 m ³ /h) Dimensions (L x W): 150 x 140 mm Pleat number (windward side): -- Filter medium area (claimed): -- m ²
Applicant's name.....	Mars Purifier Ltd 08000996375 enquiries@marspurifier.com
Address.....	31 wollaton Hall Drive,Nottingham, NG8 1AF, UK
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.....	Flat sheet filter media performance testing
Method.....	EN ISO 29463-3:2018
Date of receipt of test item.....	2022-01-19
Date (s) of performance of tests.....	2022-01-19 to 2022-01-19
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 ISO 29463-3:2018		
Clause	Requirement + Test result - Remark	Verdict

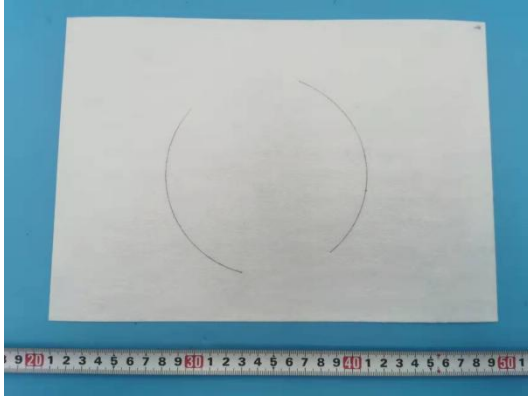
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Results summary:

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

Table 1		Filtration performance; EN ISO 29463-3: 2018					--
Nominal air volume flow rate cm/s (m³/h)			5.33(4.03)				
Test aerosol substances			DEHS				
Particle size range(μm)	0.10-0.15	0.15-0.20	0.20-0.25	0.25-0.30	0.30-0.50		
Sample No.	Δ Pa	Fractional efficiency (%)					
22-0066-01	45	99.885	99.971	99.990	99.994	99.998	

Product photo:



Overview of the sample



Backview 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 ISO 29463-3:2018 High-efficiency filters and filter media for removing particles in air Part 3 Testing flat sheet filter media

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 ISO 29463-3:2018 High-efficiency filters and filter media for removing particles in air
Part 3 Testing flat sheet filter media



Test Identification

Particle Counter	SOLAIR 1100	Case no.	0066-22A
	Cal due 12,03,2022	Testing period	2022/1/19 15:43
Dilution up/down	DIL554+TDA-D10/1000: 1	Ambient pressure (kPa)	102.3
	Cal due 03,11,2022	Ambient temp. (°C)	21.7
Flowmeter	AS-50-500B	Relative humidity (%)	51.9
	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 08,11,2023		
Contaminant	DEHS Aerosol		
Comment			

Sample

Type	GenerationS,GenerationX,Generation Y, GenerationZ	Sample no.	22-0066-01
Client	Mars Purifier	Sample size ,mm	150*140
Date of receipt	2022/1/19	Declared air flow rates,cm/s(m ³ /h)	5.33(4.03)
State			

Result

Test air flow rates, m ³ /h			4.0		Pressure loss av., Pa			45			
No.	Pressure loss , Pa	Port	Particles / 0.5 ft ³ at: (in microns)								
			0.10-0.15	0.15-0.20	0.20-0.25	0.25-0.30	0.30-0.50	0.50-1.0			
1	42	Upstream	37894060	25877140	9074814	10186590	14868200	8991980			
2	48	Downstream	36622	6152	751	498	237	13			
3	43	Upstream	34250360	23548810	8135696	9081800	13312320	8242482			
4	48	Downstream	38864	6442	700	500	227	32			
5	41	Upstream	33792280	23319270	7865238	8808348	12887170	8081804			
6	48	Downstream	45602	7974	956	611	266	35			
7	41	Upstream	35299260	24296310	8613738	9563834	13624700	8430106			
8	48	Downstream	39235	6423	766	508	233	14			
9	42	Upstream	34489880	23733440	8530904	9375212	13454040	8180606			
10	49	Downstream	42262	7721	943	595	250	19			
Total upstream			175725840	120774970	42220390	47015784	68146430	41926978			
Total downstream			202585	34712	4116	2712	1213	113			
Fractional efficiency,%			99.885	99.971	99.990	99.994	99.998	> 99.999			
Efficiency,(0.1-0.25µm)%			99.929								