



TEST REPORT TUCHENG

Date: _____ Date of Receipt: _____

Report No.: _____ Quantity: 1 Pcs Page Order/Pages: (P1/4) Ref. No.: NIL

Report Title: _____ Item: Filter

Address: _____

Filter Testing Report

Sample descriptions are given by the client					
Manufacturer:					
Sample Name:					
Model:N/A		Type:			
Filter Media:		Color: 白色		Pleat:	
Test parameter					
Test air flow rate:	Test air temperature:	Test air relative humidity:	Test aerosol:	Loading dust:	Final pressure drop:
2000 CFM	25±2°C	45±5%	KCl	ISO A2 Fine	300 Pa
Net effective filtering area:20 m ²		Testing dimensions (width x height x depth): :595 mm x 595 mm x 292 mm			
Test Item	Test Result				Test Method
Initial pressure drop (Pa)					ISO/TS 11155-1:2001 5.1.2
Initial Resistance(%)					ISO/TS 11155-1:2001 5.2.2
Dust Loading Capacity(g)					ISO/TS 11155-1:2001 5.2.3
Initial arrestance (%)					ISO/TS 11155-1:2001 5.2.3
Average arrestance (%)					ISO/TS 11155-1:2001 5.2.3

Before Testing



After Testing



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Authorized by president of
Taiwan Textile Research Institute

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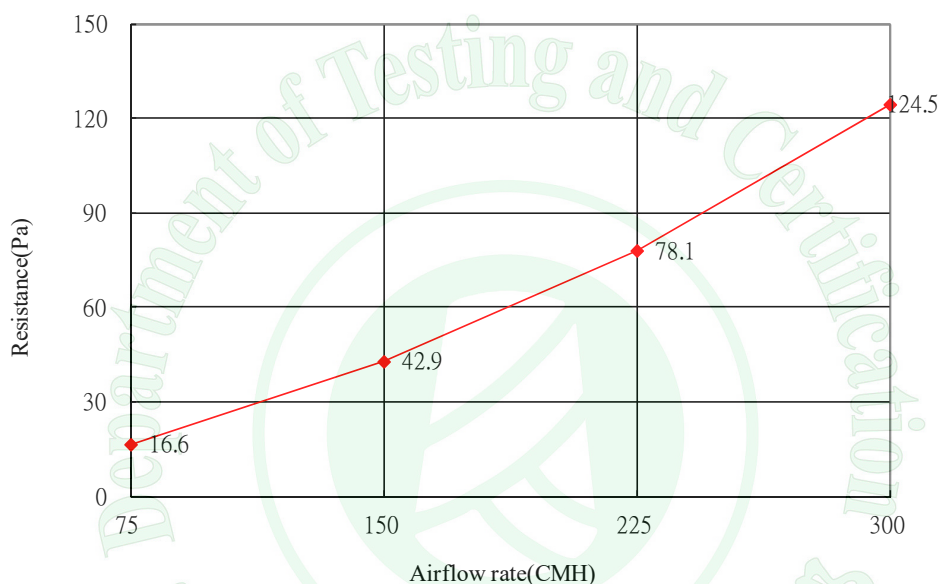
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(1) Measurement of resistance vs. airflow

Resistance of clean device vs. airflow

The Percentage of Rate Flowrate (%)



Airflow rate in % of rated airflow	Airflow rate		Resistance	
	CFM	CMH	Pa	in. H ₂ O
25%	44	75	16.6	0.07
50%	88	150	42.9	0.17
75%	132	225	78.1	0.31
100%	177	300	124.5	0.50

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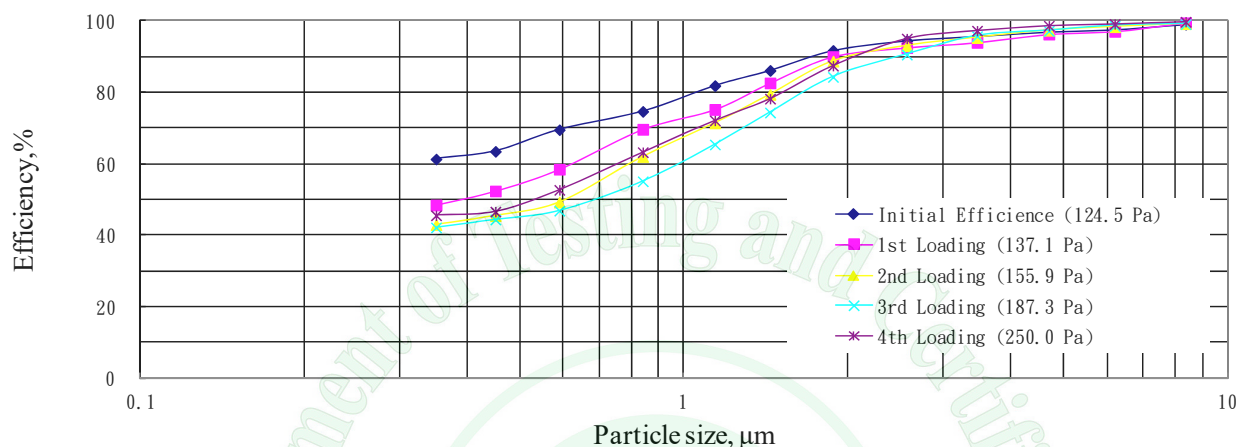
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(2) Dust loading



Size range (μm)	0.3~0.4	0.4~0.5	0.5~0.7	0.7~1.0	1.0~1.3	1.3~1.6	1.6~2.2	2.2~3.0	3.0~4.0	4.0~5.5	5.5~7.0	7.0~10
Particle size (μm)	0.35	0.45	0.59	0.84	1.14	1.44	1.88	2.57	3.46	4.69	6.20	8.37
Initial Efficiency (124.5Pa)	61.4	63.5	69.6	74.7	81.9	86.2	91.8	94.5	95.7	97.0	97.6	99.1
1st Loading (137.1Pa)	48.5	52.4	58.5	69.7	75.3	82.7	90.1	92.6	94.0	96.3	97.1	99.5
2nd Loading (155.9Pa)	43.0	45.5	49.3	62.1	71.5	79.5	88.8	93.1	95.4	97.4	98.4	99.3
3rd Loading (187.3Pa)	42.2	44.4	46.9	55.1	65.5	74.4	84.4	90.6	95.8	97.3	98.7	99.2
4th Loading (250.0Pa)	45.6	46.6	52.7	63.3	72.2	78.3	87.5	95.1	97.3	98.7	99.2	99.8

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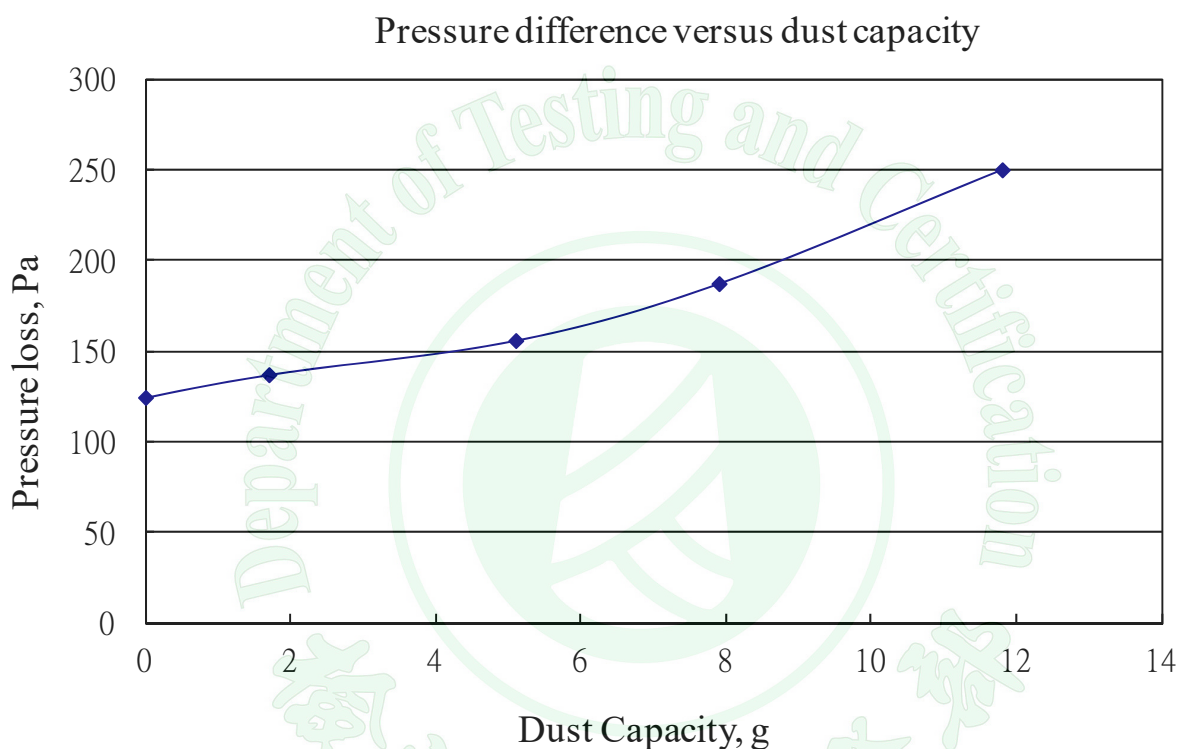
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(3) Pressure difference versus dust capacity



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