

# TEST REPORT

Receipt No. : CABIN-13-085 (Reissue)  
Company name : SAMJOUNG INTERNATIONAL CO.  
Applicant address : Suite 713, Hyundai I-Valley 223-12, Sangdaewon 1-dong, Jungwon-gu,  
Seongnam-si, Gyeonggi-do, 462-714, South Korea  
Representative : Joung Jin-gu  
Presented sample name : Nosk filter  
Test item : Initial fractional efficiency

## Test conditions

1) Testing equipment : Testing system for cabin air filter unit  
2) Test method : DIN 71460-1  
3) Challenge dust : ISO 12103-1 A2 fine test dust  
4) Dust concentration : 20 mg/m<sup>3</sup>  
5) Flow rate : 300 m<sup>3</sup>/h  
6) Temperature : 23±5 °C  
7) Relative humidity : 55±15 %

## Test Results

Particle size (µm)	Initial fractional efficiency (%)	Test sample
0.3	69.7	See Appendix
1.0	96.1	
2.5	96.3	
10.0	100.0	

Use : Analysis

Note : This report should not be used for the purpose of propaganda, lawsuit and other legal requirements except for the defined use.

This is to certify that the test has been made for the commodities prepared by the applicant.

Date June, 20, 2013

Certificated by

THE PRESIDENT OF THE KOREA INSTITUTE OF  
INDUSTRIAL TECHNOLOGY



※ This test report may not be valid when certain unexpected conditions are occurred(e.g. over-temperature, over-humidity, etc)



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### Initial fractional Efficiency

Filter	CABIN AIR FILTER	Test-ID	Nosk filter
Applicant	SAMJUNG INTERNATIONAL	Art-No	
Man-No		Filter Area	
Face Area		Status	
Flowrate		Comment	
Test Dust	ISO 12103-1 A2 Fine Test Dust		

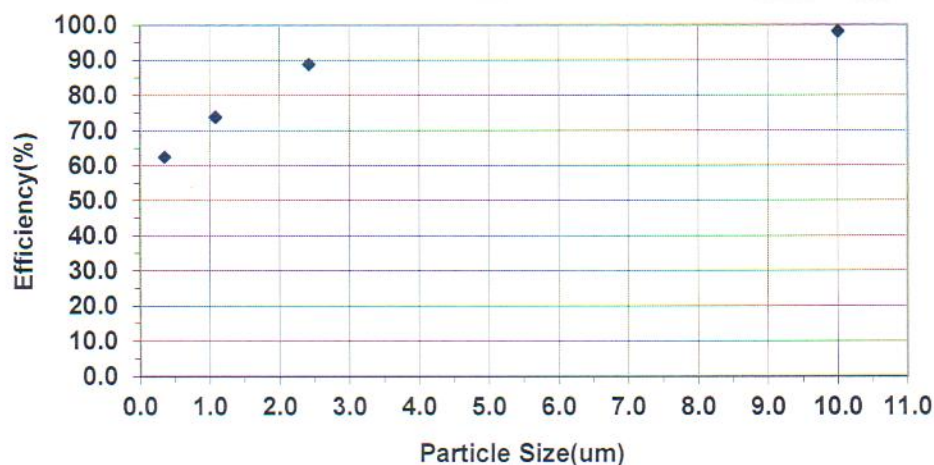
<b>Test</b>	
Date	2013-06-20
File name	EFFI(2013-06-20).xls
Operator	KITECH-J.R.CHOI

### Test Conditions

Challenge Dust Concentration	20 mg/m <sup>3</sup>
Flow Rate	300 m <sup>3</sup> /h
Temp.	21.4 °C (± 0.1 °C)
Relative Humidity	50.8 % (± 1 %)
Particle Counter	LAP 321

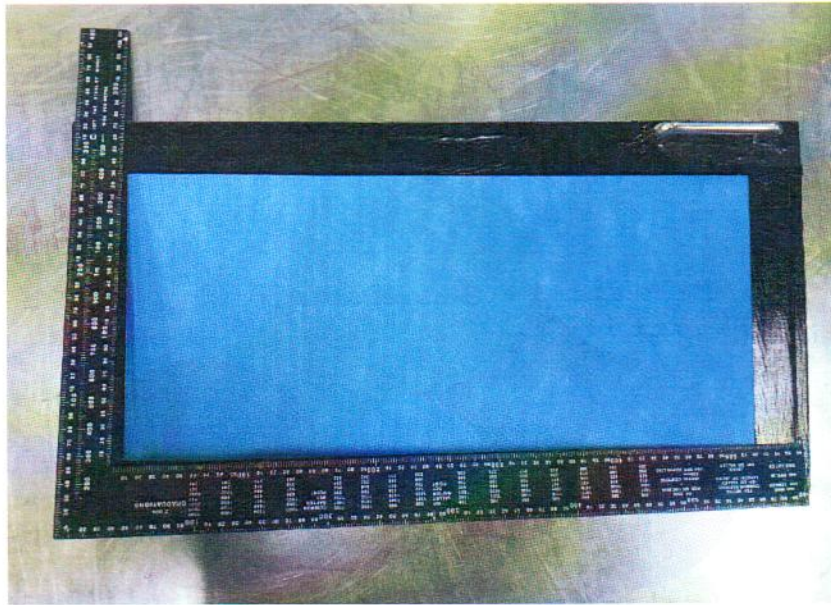
### Test Results

Particle size(um)	Efficiency(%)
0.3	69.7
1.0	96.1
2.5	96.3
10.0	100.0



## ※ Appendix

- Receipt No. : CABIN-13-085
- Presented Sample Name : Nosk filter



2013



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