



TEST REPORT TUCHENG

Date: Apr. 19, 2018 Date of Receipt: Apr. 11, 2018

Report No.: TF704138 Quantity: 1PC Page Order/Pages: (P1/2) Ref. No.: NIL

Report Title: TRIMELTECH CO., LTD.(U0254) Item: Nonwoven Fabric

Address: NO. 770-1, YONGFU RD., SINWU DIST., TAOYUAN CITY 32744, TAIWAN

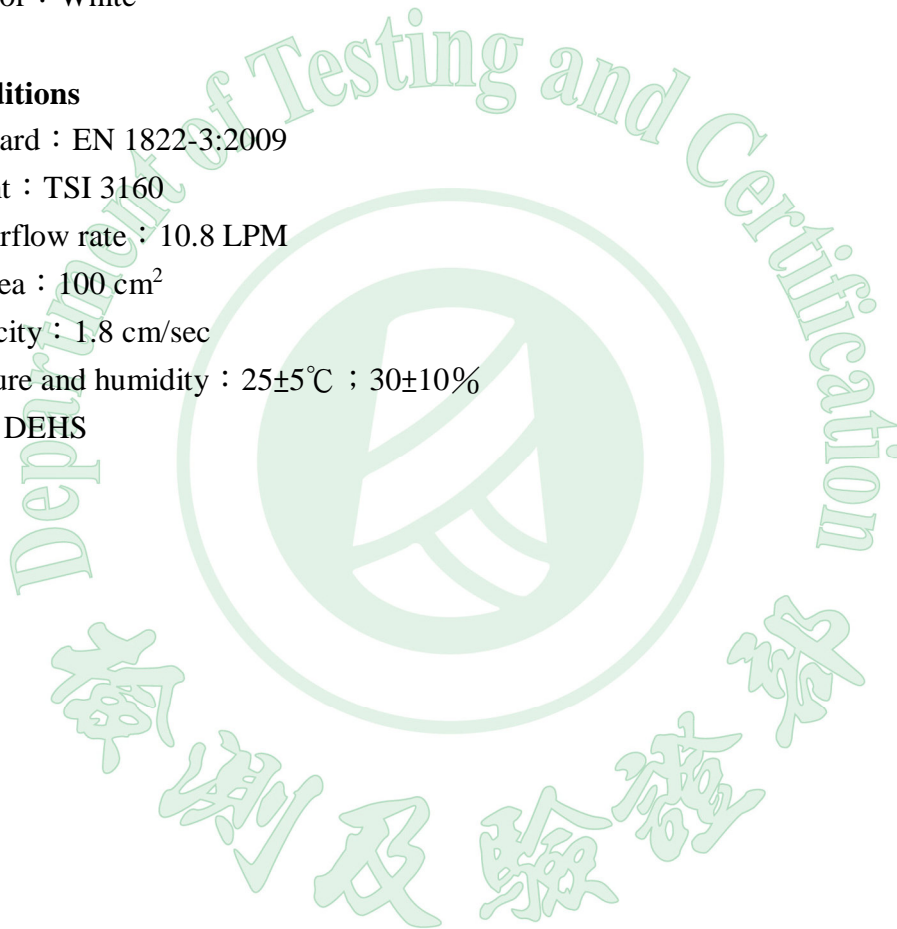
### Filter Test Report

#### I. Media Descriptions

1. Manufacturer : Trimeltech CO.,LTD.
2. Sample Name : 20gsm HEPA H12 (HFM02012M)
3. Media Color : White

#### II. Testing Conditions

1. Test standard : EN 1822-3:2009
2. Equipment : TSI 3160
3. Volume airflow rate : 10.8 LPM
4. Testing area : 100 cm<sup>2</sup>
5. Face velocity : 1.8 cm/sec
6. Temperature and humidity : 25±5°C ; 30±10%
7. Aerosol : DEHS



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Authorized by president of  
Taiwan Textile Research Institute

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**III. Testing Results**

1. Filtration media weight : 20.3 g/m<sup>2</sup>
2. Initial pressure drop : 0.4 mmH<sub>2</sub>O
3. MPPS : 0.025 μm
4. Initial Efficiency @MPPS : 98.26 %
5. Media Class : E11
6. Penetration at Different Particle Size

D ( μ m)	Eff. (%)	Pen. (%)
0.015	99.0132810	0.9867190
0.02	98.5537854	1.4462146
0.025	98.2641135	1.7358865
0.03	98.2986649	1.7013351
0.035	98.3150299	1.6849701
0.04	98.4153125	1.5846875
0.05	98.7258260	1.2741740
0.07	99.0127613	0.9872387
0.09	99.3035954	0.6964046
0.10	99.4332934	0.5667066
0.12	99.7499412	0.2500588
0.14	99.8149361	0.1850639
0.16	99.8649816	0.1350184
0.18	99.8876668	0.1123332
0.20	99.9114691	0.0885309
0.30	99.9482794	0.0517206

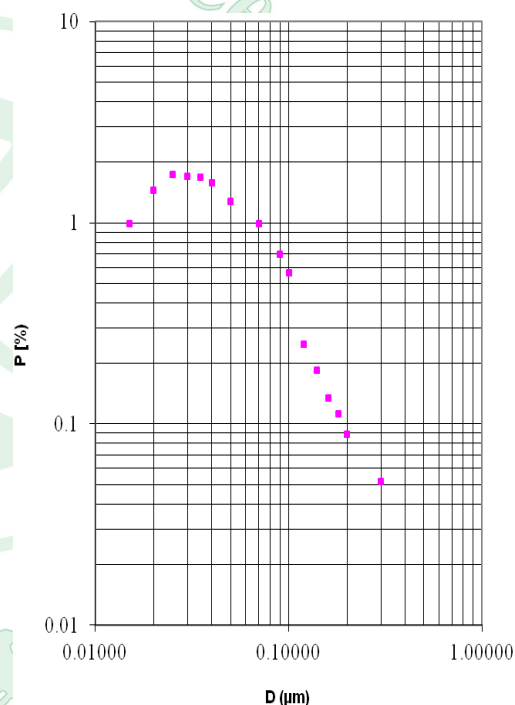


Fig.1 Penetration at Different Particle Size

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