Date : 24 July, 2009

To whom it may concern

Confirmation

Dear Sirs/Madams,

We hereby confirm the face masks's filter of item No. TR-0001, TR-0001C, TR-0001K are supplied by Tianjin TEDA Co. Ltd. whose BFE is up to 99.9% and PFE is up to 99.5%.

For and on behalf of:
FOSHAN NANHAIWONDERFUL NONWOVEN CO.,LTD.

Authorized signature

PEE TD-25K
歌数过滤效果

NELSON LABORATORIES

Tianjin TEDA Co. Ltd.
Lab Number 334705

Latex Particle Challenge

TABLE 1. Results of Particle Filtration Test
Sample ID: TD-25K

SAMPLE NUMBER	AVERAGE SAMPLE COUNTS	AVERAGE CONTROL COUNTS	FILTRATION EFFICIENCY
1	69	11696	99.41%
2	70	12626	99.45%
3	58	13592	99.57%
4	57	11574	99.51%
5	39	12270	99.68%

SAMPLE AREA TESTED: 91.5 cm^2

PARTICLE SIZE: 0.1 μm (0.102 ± 0.003 μm)

PARTICLE BACKGROUND: <1 particles/min

AVERAGE FILTRATION EFFICIENCY: 99.52%

STANDARD DEVIATION: 0.108

FOSHAN NANHAI WONDERFUL NONWOVEN CO., LTD. 佛山市南海精德福无纺布有限公司

PFE TD-25k

NELSON LABORATORIES

Prepared For:
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Submitted By
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LATEX PARTICLE CHALLENGE – FINAL REPORT

Laboratory Number:	334705
Procedure Number:	SOP/ARO/011K.1
Sample Source:	Tianjin TEDA Co. Ltd.
Sample Identification:	Refer to Table 1
Deviations:	None
Data Archive Location:	Sequentially by lab number
Statement of Uncertainty:	If applicable, available upon request
Sample Received Date:	19 Jun 2006
Lab Phase Start Date:	14 Jul 2006
Lab Phase Completion Date:	17 Jul 2006
Report Issue Date:	18 Jul 2006

The Latex Particle Challenge procedure is performed to determine the particle filtration efficiency of various materials and filtration devices using a challenge of monodispersed polystyrene (latex) microspheres obtained from Duke Scientific, Palo Alto, CA.

The procedure employed the basic test method described in ASTM F2299, but incorporates a non-neutralized challenge. In real use, particles carry a charge, thus this challenge represents a more natural state. The non-neutralized aerosol is also specified in the FDA guidance document on surgical face masks. The flow rate through the test system was maintained at 1 CFM ± 5%. The control particle concentration passed through the sample was maintained at 10,000-15,000 particles per cubic foot. Filtration efficiencies are calculated by comparison to control values.

RESULTS:

A reference control was included to verify the test system was within acceptable control limits. The results are summarized in Table 1.

Karl Perkes

Karl Perkes, B.S. RM(NRM)
Study Director

19 Jul 2006
Study Completion Date

bav

BFE TDK

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BACTERIAL FILTRATION EFFICIENCY AND DIFFERENTIAL PRESSURE – FINAL REPORT

Laboratory Number:	359508
Procedure Number:	SOP/ARO/007L.1
Sample Source:	Tianjin TEDA Co. Ltd.
Sample Identification:	Refer to Table 1
Deviations:	None
Statement of Uncertainty:	If applicable, available upon request
Andersen Sampler Flow Rate:	28.3 L/min. (1 CFM)
BFE Conditioning:	4 hours minimum at 21 ± 5°C and 85 ± 5% relative humidity
Sample Received Date:	15 Jan 2007
Lab Phase Start Date:	16 Jan 2007
Lab Phase Completion Date:	13 Feb 2007
Report Issue Date:	14 Feb 2007
Results:	Refer to Table 1

The Bacterial Filtration Efficiency (BFE) procedure is performed to determine the filtration efficiency of various materials and filtration devices using a challenge organism of *Staphylococcus aureus*. This procedure complies with ASTM F2101. The Differential Pressure (Delta P or ΔP) test is performed to determine the air exchange differential (breathability) of porous materials.

Technical Reviewer

Stacey Cushing, B.S.
Study Director

15 Feb 2007
Study Completion Date

bav

FOSHAN NANHAI WONDERFUL NONWOVEN CO., LTD. 佛山市南海稳德福无纺布有限公司

BFE TDK-22
细菌过滤效果

NELSON LABORATORIES

Tianjin TEDA Co. Ltd.
Lab Number 359508

Bacterial Filtration Efficiency
and Differential Pressure

TABLE 1. Results

SAMPLE IDENTIFICATION	ΔP (mm H_2O/cm^2)	PERCENT BFE
TDK-22 – 1	1.7	99.9%
TDK-22 – 2	1.5	99.8%
TDK-22 – 3	1.4	>99.9%
TDK-22 – 4	1.3	99.8%
TDK-22 – 5	1.2	99.9%

CONTROL AVERAGE: 2653 CFU

MEAN PARTICLE SIZE (MPS): 2.8 µm

SHANGHAI WONDERFUL NONWOVEN CO. LTD. 上海仙奇美德福无纺布有限公司