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TESTSAFE AUSTRALIA

Dealing with

**ASSESSMENT AND TESTING OF HALF FACEPIECE
NEGATIVE PRESSURE GAS/PARTICULATE RESPIRATORS
TO AUSTRALIAN/NEW ZEALAND STANDARD 1716:2003
'RESPIRATORY PROTECTIVE DEVICES'**

Report Details

Note: The test results contained in this report apply only to the samples submitted for testing and may not be indicative of the total batch from which the sample was drawn, or other manufactured batches of this type of respirator.

Your Reference: Application from 3M Australia dated 10 April 2008 for the testing of a half facepiece negative pressure respirator to AS/NZS1716: 2003.

Objective: To determine whether the equipment listed below meets the requirements of the Australian/New Zealand Standard 1716: 2003.

Equipment:

- 3M7701 single filter half facepiece (S)
- 3M7702 single filter half facepiece (M)
- 3M7703 single filter half facepiece (L)
- 3M7711 Particulate filter pad
- 3M7001K-55 Organic Vapour filter
- 3M7001K-100 Organic Vapour filter
- 3M7007K Organic Vapour/Acid gas filter

Submitter: 3M Australia
Innovation Centre
25 Bridge St
Pymble NSW 2073

Manufacturer: 3M

**Result Summary
Complies:** 2.1.1, 2.1.2, 2.1.3, 2.1.4, 2.1.8, 2.2.1, 2.2.2, 3.1.1, 3.1.2, 3.2.1, 3.2.4.1, 3.2.4.2, 3.2.5, 3.2.6, 4.1, 4.2.1, 4.2.2, 4.3.1, 4.3.4, 4.3.5, 4.3.6, 5.1, 5.2, 5.3.1, 5.4.1, 5.4.2, 5.4.3, 5.4.4, 5.4.5, 12.1.2.2, 12.2.1, 12.2.2

Does not comply: 12.1.2.1, 12.1.3.1, 12.1.3.2, 12.1.4.1, 12.1.4.2,

- Submitted Information:**
1. Application from 3M Australia dated 10 April 2008 for the testing of a half facepiece negative pressure respirator to AS/NZS1716: 2003.
 2. Estimate acceptance from 3M Australia dated 1 May 2008.
- Conclusion and Recommendation:**
- The respirators as listed in 'Equipment' satisfied the performance requirements for class P2 of AS/NZS1716: 2003. They also satisfied the gas requirements as Type A Class AUS filters. There were some deficiencies in Section 12 Marking and Instructions.

SECTION 12 MARKING AND INSTRUCTIONS**12.1 MARKING****12.1.1 General**

Noted.

12.1.2 Marking of facepieces and head coverings**12.1.2.1 *Marking of equipment***

(a) Satisfactory.

(b) Unsatisfactory. Not marked. Each facepiece and head covering shall be clearly marked with the size of the facepiece, where more than one size of facepiece is manufactured.

12.1.2.2 *Additional marking*

(a) Satisfactory.

(b) Not applicable.

(c) Satisfactory.

12.1.3 Particulate filters**12.1.3.1 *Marking of equipment***

(a) Satisfactory.

(b) Unsatisfactory. Not marked on filter, and no packaging supplied. Each respirator shall be marked with filter classification (P2) and white colour code.

(c) Not applicable.

12.1.3.2 *Additional marking*

(a) Satisfactory.

(b) Unsatisfactory. Not marked on filter, and no packaging supplied. Each respirator shall be marked with a warning if the efficiency of the filter deteriorates in the presence of substances, such as oil mists, commonly encountered in the workplace.

(c) Unsatisfactory. Not marked on filter, and no packaging supplied. Each respirator shall be marked with compatible respirator.

(d-e) Not applicable.

12.1.4 Gas and vapour filters**12.1.4.1 *Marking of equipment***

(a) Satisfactory.

(b) Unsatisfactory. Not marked. Each filter shall be clearly and indelibly marked with the year of manufacture, date code or other means of traceability.

(c) Unsatisfactory. Not marked. Each filter shall be clearly and indelibly marked with Type and classification.

(d) Unsatisfactory. 3M7007K is Black, orange and grey stripes, 7001K-100 and 55 are black only.

(e) See (d).

(f) Not applicable.

12.1.4.2 Marking of packaging

- (a) Unsatisfactory. The filters have a label that states use within 5 years of date on bottom. 7001K-55 and 7001K-100 both have stamped '2001'. This date indicates the filters expired in 2006. The 7007K filter has stamped '1004'. This date indicates the filters expired 999 years ago.
- (b) Satisfactory.
- (c) Satisfactory.
- (d) Satisfactory.
- (e) Unsatisfactory. Not marked. The packaging or a label shall be clearly marked with the warning 'DO NOT USE IN HIGHLY TOXIC ATMOSPHERES, REFER TO AS/NZS1715'.
- (f) Not applicable.
- (g) Not applicable.
- (h) Satisfactory.
- (i) Unsatisfactory. Not marked. The packaging or a label shall be clearly marked with maximum concentration limitations, ie: assigned (or minimum) protection factor as described in AS/NZS1715.
- (j) Recommended storage requirements.

12.1.5 to 12.1.9

Not applicable.

12.2 INSTRUCTIONS FOR USE**12.2.1 General**

Satisfactory. Each respirator was supplied with clear instructions for use printed in English.

- (a) Satisfactory.
- (b) Satisfactory.

12.2.2 Instructions for use, maintenance and storage

Satisfactory. On delivery, instructions accompanied respirator in the smallest packaging unit.

- (a) Satisfactory.
- (b) Satisfactory.
- (c) Satisfactory.
- (d) Satisfactory.
- (e) Satisfactory.
- (f-g) Not applicable.
- Remainder-Not applicable.

12.2.3 Additional requirements for powered air-purifying respirators

Not applicable.

12.2.4 Instructions for use of the chemical oxygen (KO₂) self-contained self rescuers

Not applicable.

12.3 ADDITIONAL MARKING

Not applicable.



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