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Date: 12-Apr-2004
SMI/REF: 04MAR254

Product: **AEROCARE 1-03 ESU SANITISER**
BATCH NO: Y402006Y (received 30-Mar-2004)

Dilution: Ready to Use

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Boeing D6-7127 Revision M (April 11, 2003)
CLEANING INTERIORS OF COMMERCIAL
TRANSPORT AIRCRAFT
Category: Disinfectants

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Respectfully submitted,



Patricia D. Viani, SMI Inc.

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11.3.1 Sandwich Corrosion Test: Corrosion in excess of that on the control panel constitutes failure when tested in accordance with Section 12.1.

	Clad 7075-T6 Aluminum (AMS 4049)	Bare 7075-T6 Aluminum (AMS 4045) anodized per Mil-A-8625 Type I
PRODUCT	1	1
Control	1	1

Result Conforms

11.3.2 Immersion Corrosion Test: The average weight change of each test specimen shall not exceed ± 10 mg in a 24 hour immersion period when tested in accordance with Section 12.2.

	PRODUCT (Loss per 1"x2" panel)	RESULT
Clad 2024-T3 Aluminum (QQ-A-250/5)	0.1 mg	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) alodined per MIL-C-5541	0.1 mg	PASS
Bare 2024-T3 Aluminum (QQ-A-250/4) anodized per MIL-A-8625 Ty I	0.1 mg	PASS
Bare 7178-T6 Aluminum (QQ-A-250/14) anodized per MIL-A-8625 Ty I	0.1 mg	PASS

Result Conforms

11.3.3 Rubber Test: Changes in properties shall not exceed the following, when tested in accordance with Section 12.3:

PROPERTY	MAX. CHANGE ALLOWED	PRODUCT
Tensile Strength	25 % loss	< 5%
Elongation	25 % loss	< 5%
Volume	$\pm 15\%$ change	< 5%

24 hour immersion at room temperature.

Result Conforms

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11.3.4 Sealant Test: The sealant shall not lift at the edges or lose adhesion when tested in accordance with Section 12.4.

PRODUCT: Sealant did not lift at the edges or lose adhesion.

Result Conforms

11.3.5 Painted Surface Test: When tested in accordance with Section 12.5 and Section 7c., the following is required:

- a. Paint film hardness shall not decrease more than 2 pencil hardnesses.
- b. Greater than minimal color change or staining constitutes test failure.

**PRODUCT: Paint film hardness: 0 pencil hardness change
Color change: none**

Result Conforms

11.3.6 Tedlar Surface Test: When tested in accordance with Section 12.6 and Section 7c., the following is required:

- a. Scratching of exposed specimens constitutes test failure.
- b. Greater than minimal color change or staining constitutes test failure.

PRODUCT: No scratching, color change, or staining of specimens.

Result Conforms

11.3.7 Vinyl Surface Test: When tested in accordance with Section 12.7 and Section 7c., the following is required:

- a. Scratching of exposed specimens constitutes test failure.
- b. Greater than minimal color change or staining constitutes test failure.

PRODUCT: No scratching, color change, or staining of specimens.

Result Conforms

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11.3.8 Fabric and Carpet Test: When tested in accordance with Section 12.8 and Section 7c., the following is required:

Upholstery:

- a. Greater than minimal color change or staining constitutes test failure.

No color change or staining

Result Conforms

- b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	Less than 10 seconds
Burn Length	8 inches	Less than 8 inches
Drip Extinguish Time	5 seconds	Less than 5 seconds

Result Conforms

Carpet:

- a. Greater than minimal color change or staining constitutes test failure.

No color change or staining

Result Conforms

- b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	PRODUCT
Extinguishing Time	15 seconds	Less than 10 seconds
Burn Length	8 inches	Less than 8 inches
Drip Extinguish Time	5 seconds	Less than 5 seconds

Result Conforms

11.3.9 Leather and Naugahyde Test: When tested in accordance with Section 12.9 and Section 7c., the following is required:

- Leather: a. *Scratching or brittleness of exposed specimen constitutes test failure.*

No scratching or brittleness of exposed specimen.

- b. *Greater than minimal color change or staining constitutes test failure.*

No color change or staining.

Result Conforms

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11.3.9 Leather and Naugahyde Test (continued):

- Naugahyde: a. *Scratching or brittleness of exposed specimen constitutes test failure.*
No scratching or brittleness of exposed specimen.
b. *Greater than minimal color change or staining constitutes test failure.*
No color change or staining.

Result Conforms

11.3.10 Flash Point Test: Materials exhibiting any flash point shall not be approved for use in the airplane when tested in accordance with Section 12.10.

PRODUCT: No flash point observed to 212°F.

Result Conforms

11.3.11 Polycarbonate Crazing Test: Any cracking or crazing of the polycarbonate sheet constitutes failure, when tested in accordance with Section 12.11.
LEXAN 9600 (2000 psi/10 minutes)

PRODUCT: No cracking or crazing

Result Conforms