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Date: 12-Aug-2020

SMI/REF: 2006-803

Product: **AEROCLEAN® IC 260** (received 24-Jun-2020)

Dilution: As received

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**BOEING SPECIFICATION SUPPORT STANDARD  
BSS7434  
CHEMICAL COMPATIBILITY OF CLEANING PRODUCTS AND INTERIOR  
PARTS/MATERIALS OF COMMERCIAL TRANSPORT AIRCRAFT**

(Version: Original issue, 04-Jun-2019)

Supersedes Boeing D6-7127

(Note: Boeing D6-7127 was cancelled and superseded by BSS7434 on 04-Jun-2019)

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5.1	Sandwich Corrosion	<u>Conforms</u>
5.2	Immersion Corrosion Test	<u>Conforms</u>
5.3	Rubber Test	<u>Conforms</u>
5.4	Sealant Test	<u>Conforms</u>
5.5	Painted Surface Test	<u>Conforms</u>
5.6	Tedlar Surface Test	<u>Conforms</u>
5.7	Vinyl Surface Test	<u>Conforms</u>
5.8	Fabric and Carpet Test	<u>Conforms</u>
5.9	Leather and Naugahyde Test	<u>Conforms</u>
5.10	Flash Point Test	<u>Informational</u>
5.11	Polycarbonate Crazing Test	<u>Conforms</u>

Respectfully submitted,



Patricia D. Viani, SMI Inc.







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#### 5.4 / 7.4 Sealant Test

Requirement (BAC5150 / 11.3.4): The sealant must not lift at the edges or lose adhesion when tested in accordance with the procedures section for sealant test in BSS7434.

**Sealant: BMS 5-95**

*Water control: No lifting or loss of adhesion when pried away from edge*

**PRODUCT (AS RECEIVED):**

**No lifting or loss of adhesion when pried away from edge**

Result                      Conforms                     

#### 5.5 / 7.5 Painted Surface Test

Requirement (BAC5150 / 11.3.5): When tested in accordance with the procedures section for painted surface test in BSS7434 and Section 7.c, the following is required:

*Exposure: 2 minutes, then rinsed*

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

*Paint System: BMS10-83 enamel prepared in accordance with BAC5755*

**PRODUCT (AS RECEIVED):**

**Hardness change: < 2 pencil hardness change**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

Result                      Conforms                     

#### 5.6 / 7.6 Tedlar Surface Test

Requirement (BAC5150 / 11.3.6): When tested in accordance with the procedures section for tedlar surface test in BSS7434 and Section 7c., the following is required:

*Exposure: 2 minutes, then rinsed*

- a. Greater than minimal color change or staining constitutes test failure.
- b. Examine for scratches

**PRODUCT (AS RECEIVED):**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

**No scratches**

Result                      Conforms                     

#### 5.7 / 7.7 Vinyl Surface Test

Requirement (BAC5150 / 11.3.7): When tested in accordance with the procedures section for vinyl surface test in BSS7434 and Section 7c., the following is required:

*Exposure: 2 minutes, then rinsed*

- a. Cracking or brittleness of exposed specimen constitutes test failure.
- b. Greater than minimal color change or staining constitutes test failure.

**PRODUCT (AS RECEIVED): No cracking or brittleness**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

Result                      Conforms



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5.8 / 7.8 **Fabric and Carpet Test**

Requirement (BAC5150 / 11.3.8): When tested in accordance with the procedures section for fabric and carpet test in BSS7434 and Section 7c., the following is required:

**Upholstery:**

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

**PRODUCT (AS RECEIVED):**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

Result Conforms

- b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	FABRIC (cut perpendicular "fill")	FABRIC (cut parallel "warp")
Extinguishing Time	15 seconds	<b>Less than 3 seconds</b>	<b>Less than 3 seconds</b>
Burn Length	8 inches	<b>5 inches</b>	<b>5 inches</b>
Drip Extinguish Time	5 seconds	<b>Less than 3 seconds</b>	<b>Less than 3 seconds</b>

Result Conforms

**Carpet:**

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

**PRODUCT (AS RECEIVED):**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

Result Conforms

- b. Flammability: maximum values:

PROPERTY	MAXIMUM VALUE	CARPET (cut perpendicular "fill")	CARPET (cut parallel "warp")
Extinguishing Time	15 seconds	<b>Less than 3 seconds</b>	<b>Less than 3 seconds</b>
Burn Length	8 inches	<b>3 inches</b>	<b>3 inches</b>
Drip Extinguish Time	5 seconds	<b>Less than 3 seconds</b>	<b>Less than 3 seconds</b>

Result Conforms



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### 5.9 / 7.9 Leather and Naugahyde Test

Requirement (BAC5150 / 11.3.9): When tested in accordance with the procedures section for leather and naugahyde in BSS7434 and Section 7c., the following is required:

*Leather:*

- a. *Cracking or brittleness of exposed specimen constitutes test failure.*
- b. *Greater than minimal color change or staining constitutes test failure.*

**PRODUCT (AS RECEIVED): No cracking or brittleness**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

Result Conforms

*Naugahyde:*

- a. *Cracking or brittleness of exposed specimen constitutes test failure.*
- b. *Greater than minimal color change or staining constitutes test failure.*

**PRODUCT (AS RECEIVED): No cracking or brittleness**

**Color change (AATCC Gray Scale): Grade 5 / minimal to none**

*(No perceived difference in color or contrast between original material and tested specimen).*

Result Conforms

### 5.10 / 7.10 Flash Point Test

Requirement (BAC5150 / 11.3.10): All cleaning candidates having a flash point must be approved by Fire Protection Engineering before they can be evaluated for use. Method used ASTM D93.

**PRODUCT (AS RECEIVED):**

**No Flash point observed to IBP: 212 °F**

**(IBP = Initial Boiling Point)**

Result Informational

### 5.11 / 7.11 Polycarbonate Crazing Test

Requirement (BAC5150 / 11.3.11): Any cracking or crazing of the polycarbonate sheet constitutes failure, when tested in accordance with the procedures section for polycarbonate crazing test in BSS7434.

*(Strain = 0.008; 10 minute exposure)*

**PRODUCT (AS RECEIVED):**

**LEXAN 9600:**

**No cracking or crazing**

**BMS8-400 BAC 70913:**

**No cracking or crazing**

Result Conforms