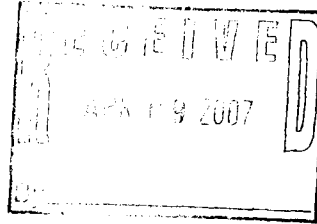




DEPARTMENT OF THE NAVY
NAVAL AIR SYSTEMS COMMAND
NAVAL AIR SYSTEMS COMMAND HEADQUARTERS
47123 BUSE ROAD, UNIT # _____
PATUXENT RIVER, MARYLAND 20670-1547

IN REPLY REFER TO

4123
Ser 434200A/7.4950
29 Mar 07



Luster-On Products, Inc.
Attn: Mr. Paul R. Lane
54 Waltham Avenue
P.O. Box 90247
Springfield, MA 01139

Dear Mr. Lane:

This letter supersedes the letter dated 21 Mar 07 Ser 434200A/7.4946 and is to inform you that Aluminescent, has met the qualification requirements for specification MIL-DTL-81706B, Chemical Conversion Materials for Coating Aluminum and Aluminum Alloys.

Listing on the Qualified Products List (QPL) will appear as indicated below. To ensure correct listing, please advise us within 14 days from the date of this letter of any discrepancy.

| | Manufacturer's Designation | Test or Qualification Reference | Manufacturer's Name and Address |
|--|----------------------------|---------------------------------|---|
| Type 2 A 2 C Type 2 B 2 C Type 2 A 2 A Type 2 B 2 A | Aluminescent | This letter | Luster-On Products, Inc. P.O. Box 90247 Springfield, MA 01139 <u>Plants:</u> Luster-On Products, Inc. 54 Waltham Avenue Springfield, MA 01139 |

The following statements are binding upon the manufacturer per the Defense Standardization Manual 4120.24-M:

- a. This listing does not guarantee acceptance of the product in any future purchase.
- b. This listing does not constitute a waiver of any requirements of the specification or of the provisions of any contract.
- c. Any use of such listing for publicity, advertising, or sales shall not state or imply that the product is the only one of that type so qualified, or that the Government in any way recommends or endorses the manufacturer's product. Violation is cause for removal of the product from the list by the Government activity concerned.
- d. This listing applies only to products produced in the plants specified in this letter of notification and is effective at 8:00 am local time as of the date of this letter. If extension of qualification to any of your other plants is desired, please request such extension through this office.
- e. This listing applies to amendments or revisions of the specification unless otherwise notified.

- f. This listing applies only to products identical to that qualified. There shall be no change in formulation or manufacturing procedure unless the material is re-examined for compliance with the requirements of the specification by the qualifying activity. Failure to notify the qualifying activity of a change in formulation is cause for removal from the QPL. The manufacturer is cautioned not to change type or grade of ingredients because of possible change in performance characteristics.
- g. To retain this listing, manufacturers must comply with retention of qualification requirements. Failure to comply will be sufficient cause for removal from the QPL.

For clarification or further information, please contact Ms. Amy Hilgeman at (301) 342-0986. Address written correspondence to: Naval Air Warfare Center Aircraft Division, Attn: Ms. Amy Hilgeman, Code 4.3.4.2, Building 2188, 48066 Shaw Road, Patuxent River, MD 20670-1906.

Sincerely,



KEVIN J. KOVALESKI
Head, Industrial and Chemical Operations Branch

Copy to:
DSCR (FAEAA/Myers)
NAWCAD LAKEHURST (Code 4.3 B120-3)
NADEP CHERRY POINT NC (Code 4.3.4)
NADEP NORTH ISLAND CA (Code 4.3.4)
NADEP JACKSONVILLE FL (Code 4.3.4)
NAWCWD CHINALAKE CA (Code 4.3.4)
AFRL/MLS-OLR (S&KT)

APPENDIX A: MIL-DTL-81706B EVALUATION REPORT

| | | | |
|-----------------------------|---|-----------------------|------------------|
| PRODUCT NAME: | <u>Luster-On Aluminescant</u> | LAB NUMBER: | <u>1A74</u> |
| MANUFACTURER: | <u>Luster-On Products, Inc.</u> <u>P.O. Box 90247</u> <u>Springfield, MA 01139</u> | DATE RECEIVED: | <u>22-Nov-05</u> |
| BATCH/LOT ID: | <u># 05313</u> | | |
| DATE OF MANUF: | <u>9-Nov-05</u> | | |
| MANUFACTURING PLANT: | <u>Luster-On Products, Inc.</u> <u>54 Waltham Avenue</u> <u>Springfield, MA 01139</u> | | |

| REQUIREMENT | MATERIAL | TEST CRITERIA | STATUS |
|---|---------------------|---|-------------|
| Corrosion Resistance (ASTM-B117) | 2024-T3 - Immersion | No visible signs of corrosion after 336hr | PASS |
| | 7075-T6 - Immersion | No visible signs of corrosion after 336hr | PASS |
| | 6061-T6 - Immersion | No visible signs of corrosion after 168hr | PASS |
| | 2024-T3 - Spray | No visible signs of corrosion after 336hr | PASS |
| | 7075-T6 - Spray | No visible signs of corrosion after 336hr | PASS |
| | 6061-T6 - Spray | No visible signs of corrosion after 168hr | PASS |
| Paint Adhesion (wet tape) (MIL-PRF-23377, MIL-PRF-85582) (ASTM-D3359, FED-STD-141 Meth 6301.3) | 2024-T3 - Immersion | Rating of 4A or 5A | PASS |
| | 7075-T6 - Immersion | Rating of 4A or 5A | PASS |
| | 6061-T6 - Immersion | Rating of 4A or 5A | PASS |
| | 2024-T3 - Spray | Rating of 4A or 5A | PASS |
| | 7075-T6 - Spray | Rating of 4A or 5A | PASS |
| | 6061-T6 - Spray | Rating of 4A or 5A | PASS |
| Coating Weight (Class 1A, Type II) (MIL-DTL-81706) | 2024-T3 - Immersion | ≥ 10 mg/sq.ft | PASS |
| | 7075-T6 - Immersion | ≥ 10 mg/sq.ft | PASS |
| | 2024-T3 - Spray | ≥ 10 mg/sq.ft | PASS |
| | 7075-T6 - Spray | ≥ 10 mg/sq.ft | PASS |
| Contact Electrical Resistance (Class 3) (MIL-DTL-81706) | 6061-T6 - Immersion | ≤ 5 mΩ (as applied) | PASS |
| | | ≤ 10 mΩ (after salt spray) | PASS |
| | 6061-T6 - Spray | ≤ 5 mΩ (as applied) | PASS |
| | | ≤ 10 mΩ (after salt spray) | PASS |
| Storage Stability (min. 12 month) (MIL-DTL-81706) | 2024-T3 - Immersion | No visible signs of corrosion after 336hr | PASS |
| | 7075-T6 - Immersion | No visible signs of corrosion after 336hr | PASS |
| | 6061-T6 - Immersion | No visible signs of corrosion after 168hr | PASS |
| | 2024-T3 - Spray | No visible signs of corrosion after 336hr | PASS |
| | 7075-T6 - Spray | No visible signs of corrosion after 336hr | PASS |
| | 6061-T6 - Spray | No visible signs of corrosion after 168hr | PASS |

Date Testing Completed 30-Jan-07

Tester Initials _____

Comments: _____
