3.2.8 Low-Temperature Stability (continued):

At the end of the second 2-hour period, remove the jar from the cold box and immerse in the water bath maintained at 47 degrees C ±1 (117 degrees F ±2) for 1 hour ±0.1. Remove the jar from the water bath, dry, and again place the jar in the cold box at -10 degrees C ±2 (-14 degrees F ±4) for a third 2-hour period. At the end of this period, remove the jar from the cold box and allow the jar to remain at room temperature for 16 hours ±0.5. For Type 1 polish, shake the jar containing the test sample vigorously by hand; for Type 2, stir the contents of the jar. Compare the appearance of the test sample with the control sample.

No change in appearance after exposure.

Result Conforms

3.2.9 Abrasive Number: Shall not exceed 5, determined as in 3.2.9.1.

3.2.9.1 Weigh two 0.04 x 3 x 6 inch (1 x 76 x 152 mm) AMS 4049 aluminum alloy panels after washing the panels thoroughly with a non-abrasive detergent, thoroughly rinsing with deionized water, and drying. Cover one of the panels with a thin coating of the polish. Place the second panel on the coated panel and rotate twenty-five times in moderate circular motion. Separate the panels and wipe clean with a soft cloth saturated with acetone. Reweigh and determine the weight loss. Report the weight loss in milligrams as the abrasive number and examine the surfaces of the panels for any evidence of scratching.

Abrasive number: less than 1.0 No scratching evident.

Result Conforms