

SUMMARY
Report No. 03-10A

ALTERNATE MATERIAL PALLET, 40" X 40"
MIL-STD-1660
ENGINEERING EVALUATION TESTS

Prepared for:
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INTRODUCTION

BACKGROUND. The U.S. Army Defense Ammunition Center (DAC), Validation Engineering Division (SJMAC-DEV), conducted Engineering Evaluation Tests to determine if the Alternate Material Pallet (Lexite™) manufactured by Hunter Paine Enterprises, LLC in Lafayette, CA, could be utilized for the shipment of ammunition. Two pallets were evaluated in accordance with the testing procedures in MIL-STD-1660. Test Unit #1 was tested at a total weight of 2,375 lbs. Test Unit #2 was tested at a total weight of 3.750 lbs. The tests accomplished on the test units were the stacking, vibration, drop, incline impact, forklift handling, and disassembly tests. The unitization procedures were provided by DAC, Transportation Engineering Division (SJMAC-DET).

OBJECTIVE

The objective of the tests was to determine if the alternate material pallet met MIL-STD-1660 test requirements prior to the acceptance of the unitization procedures by the U.S. Army.

CONCLUSION

Both test units passed all of the requirements of MIL-STD-1660.

