

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

AD-A261 236



1b. RESTRICTIVE MARKINGS

2. DISTRIBUTION/AVAILABILITY OF REPORT
DISTRIBUTION STATEMENT**Approved for public release**
Distribution Unlimited

4. PERFORMING ORGANIZATION REPORT NUMBER(S)

DODPOPTR/AYD 93-005

5. MONITORING ORGANIZATION REPORT NUMBER(S)

6a. NAME OF PERFORMING ORGANIZATION

PACKAGING DIVISION

6b. OFFICE SYMBOL
(If applicable)
SMCAR-AEP

7a. NAME OF MONITORING ORGANIZATION

6c. ADDRESS (City, State, and ZIP Code)

U.S. ARMY ARDEC
PICATINNY ARSENAL, NJ 07806-5000

7b. ADDRESS (City, State, and ZIP Code)

8a. NAME OF FUNDING / SPONSORING
ORGANIZATION8b. OFFICE SYMBOL
(If applicable)

9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER

8c. ADDRESS (City, State, and ZIP Code)

10. SOURCE OF FUNDING NUMBERS

PROGRAM
ELEMENT NO.PROJECT
NO.TASK
NO.WORK UNIT
ACCESSION NO.

11. TITLE (Include Security Classification)

Performance Oriented Package Testing of the M230 Propelling Charge

12. PERSONAL AUTHOR(S)

Dmitry Kirshteyn

13a. TYPE OF REPORT
Final13b. TIME COVERED
FROM _____ TO _____

14. DATE OF REPORT (Year, Month, Day)

15. PAGE COUNT

16. SUPPLEMENTARY NOTATION

17. COSATI CODES

FIELD	GROUP	SUB-GROUP

18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)

Performance Oriented Package Testing of Charge Propelling:
M230 packed IAW DWG 12952060

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

This report documents a Performance Oriented Packaging (POP) test analogy for the M230 Propelling Charge. This analogy is based on previous POP testing of the M205, M218, M219 and M220 Propelling Charges.

20. DISTRIBUTION/AVAILABILITY OF ABSTRACT

☐ UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT ☐ DTIC USERS

21. ABSTRACT SECURITY CLASSIFICATION

22a. NAME OF RESPONSIBLE INDIVIDUAL

Dmitry Kirshteyn

22b. TELEPHONE (Include Area Code)

(201)-724-2173

22c. OFFICE SYMBOL

SMCAR-AEP

93-02131

**DTIC**
SELECTED
FEB 05 1993

I. Report Number: DOD POP HM TR/AYD 93-005

II. Title: Performance Oriented Packaging Testing for M230.
Packed 200 per fiberboard box in accordance with
drawing 12952060.

Author: Dmitry Kirshteyn

Performing Activity: ARDEC

Address: Department of the Army
Commander, U.S. Army ARDEC
Picatinny Arsenal, NJ 07806-5000
Attn: SMCAR-AEP (Bldg. 455)

Date: January 1993

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DTIC TAB	☐
Unannounced	☐
Justification	
By	
Distribution /	
Availability Codes	
Dist	Avail and/or Special
A-1	

DTIC QUALITY INSPECTED 3

1. Data:

Container:

Type: Box, Fiberboard
UN Code: 4G
Specification Number: PPP-B-636
Material: Fiberboard
Capacity: 129.8 liters
Dimensions: 69.8cm x 61.8cm x 30.1cm
Gross Weight: 34.6kg

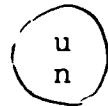
Product:

Name: M230
Part Number: 12577522
United Nations Number: UN 0161
United Nations Packaging Group: II
United Nations Nomenclature: POWDER, SMOKELESS
Physical State: Solid
Amount per Container: 200 Propelling Charges
NSN: To be determined

2. References:

- a. Code of Federal Regulations, Title 49, Parts 100-180, Oct 1, 92
- b. Report, "DOD POP HM TR/AYD 92-026" (enclosed)

3. In accordance with the Code of Federal Regulations, General Requirements paragraph 178.601 (Variation 3), the enclosed test report shall be used as basis for a POP testing analogy for the M230 Propelling Charge. The packing method and materials of construction for the M230 Propellant Charge are identical to those used for the M205, M218, M219, and M220 Propellant Charges (Dwg. # 9313721). Dimensions for the M230 outer fiberboard box are 69.8cm x 61.8cm x 30.1cm versus 70cm x 55.4cm x 39.84cm for the tested configuration. The gross mass of M230 package is 38kg versus 40kg for the tested package. Based upon the similarity in physical characteristics and successful POP test results for the M205, M218, M219, and M220 Prop Charges, the following POP symbol shall be applied to M230 propellant charge containers that are packed IAW ARDEC DWG. 12952060.



4G/Y38/S/**
USA/DOD/AYD

** Insert last two digits of year in which
container is packed out