

MIL-P-46296C (MU)

21 September 1966

SUPERSEDING**MIL-P-46296B (MU)**

30 August 1963

MILITARY SPECIFICATION**PRIMER, PERCUSSION, M82
LOADING, ASSEMBLING, AND PACKING****1. SCOPE**

1.1 This specification covers the loading, assembling and packing for one type of primer designated as Primer, Percussion, M82.

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

SPECIFICATIONS**MILITARY**

- | | |
|-------------|--|
| MIL-P-223 | — Powder, Black. |
| MIL-A-2550 | — Ammunition and Special Weapons; General Specification for. |
| MIL-I-45607 | — Inspection Equipment, Supply and Maintenance of. |

STANDARDS**MILITARY**

- | | |
|--------------|--|
| MIL-STD-105 | — Sampling Procedures and Tables for Inspection by Attributes. |
| MIL-STD-109 | — Quality Assurance Terms and Definitions. |
| MIL-STD-1168 | — Lot Numbering of Ammunition. |
| MIL-STD-1235 | — Single and Multi-level Continuous Sampling Procedures and Tables for Inspection by Attributes. |

DRAWINGS**ARMY**

- | | |
|---------|--|
| 8796535 | — Carton, Packing, Ammunition, for Primers, Percussion-Electric M75 or Percussion M82. |
| 8796536 | — Box, Packing, Ammunition, for Primers, Percussion-Electric M75 or Percussion M82. |
| 8796678 | — Carton, Packing, Ammunition, for Primers, Percussion-Electric M75 or Percussion M82. |
| 8796679 | — Box, Packing, Ammunition, for Primers, Percussion-Electric M75 or Percussion M82. |
| 8861197 | — Primer, Percussion, M82, Assembly. |

PUBLICATIONS**ARMY**

- | | |
|------------|-------------------------|
| ET-8861197 | — Equipment Tabulation. |
|------------|-------------------------|

(Copies of specifications, standards, drawings and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

MIL-P-46296C (MU)

3. REQUIREMENTS

3.1 Material. Materials and parts shall be in accordance with applicable drawings and specifications.

3.2 Primers. The primers shall comply with all requirements specified on Drawing (dwg.) 8861197 and with all requirements specified in applicable specifications.

3.3 Moisture content of black powder. The moisture content of the black powder at the loading station, at the time of loading shall not exceed 0.5 percent when determined as specified in 4.3.1.

3.4 Nonfunctioning. The primer, without the black powder charge, shall not function under an applied energy value of 24.51 inch ounces minimum (min.), when tested as specified in 4.3.2.

3.5 Functioning.

3.5.1 Without black powder. The primers, without the black powder charge, shall function under an applied energy value of 147.06 inch ounces maximum (max.) when tested as specified in 4.3.3.1.

3.5.2 With black powder. The primers, with the black powder charge, shall fire and there shall be no blowbacks, perceptible hangfires, or metal parts separation; the primer must obturate and extract easily, when tested as specified in 4.3.3.2 (see 6.7).

3.6 Chamber gage. The completed primer shall freely enter the prescribed chamber gage (see 4.2.4).

3.7 Workmanship. All parts shall be dry and free of burrs, cracks, chips, dirt, grease, rust and other foreign matter prior to, and following the loading and assembling operations. The cleaning method shall not be injurious to any of the parts nor shall the parts be contaminated by the cleaning agents.

4. QUALITY ASSURANCE PROVISIONS

4.1 General quality assurance provisions. Unless otherwise specified in the contract or purchase order, the supplier is responsible

for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements. Reference shall be made to Standard MIL-STD-109 in order to define the terms used herein. The provisions of Specification MIL-A-2550 shall apply.

4.1.1 Submission of product. At the time the completed lot of product is submitted to the Government for acceptance the contractor shall supply the following information accompanied by a certificate which attests that the information provided is correct and applicable to the product being submitted:

- (a) A statement that the lot complies with all quality assurance provisions specified within this specification.
- (b) Number of units of product inspected.
- (c) Results obtained, by defect code, for all inspections performed.
- (d) Drawing, specification number and date, together with an identification and date of changes.
- (e) Certificates of conformance on all material purchased by the contractor when such material is controlled by Government or commercial specifications referenced in any of the contractual documents.
- (f) Number of items in the lot.
- (g) Date submitted.

The certificate shall be signed by a responsible agent of the certifying organization. The initial certificate submitted shall be substantiated by evidence of the agent's authority to bind his principal. Substantiation of the agent's authority will not be required with subsequent certificates unless, during the course of the contract, this authority is vested in another agent of the certifying organization.

MIL-P-46296C (MU)

4.1.2 *Government verification.* Using the contractor's written quality assurance procedure, this detail specification, the applicable drawings and other contractual documents as a guide, the Government inspector shall verify at unscheduled intervals all quality assurance operations performed by the contractor. Verification will be performed to the extent necessary to assure compliance with the contractual requirements. Severity of Government inspection of individual characteristics will be directly related to the seriousness of the classification assigned. In no instance will a characteristic classified "critical" be accepted solely on the basis of the contractor's records.

4.2 *Inspection provisions.*

4.2.1 *Lot formation.* The term "lot" as used throughout this specification refers to an inspection lot, which is defined as an essentially homogeneous collection of units of product from which a representative sample is drawn and inspected to determine conformance of the lot with applicable requirements. The sample selected shall represent only that quantity of units from which the sample was drawn and shall not be construed to represent any prior or subsequent quantities presented for inspection. Homogeneity shall be considered to exist provided the lot has been produced by one manufacturer, in one unchanged process, in accordance with the same drawing, same drawing revision, same specification and same specification revision. Changes to the process, specification, or drawing not affecting safety, performance, interchangeability, or storage, as determined by the Government, shall not be deemed to alter the homogeneity of the lot. Inspection lots shall comply with MIL-STD-105 and shall be numbered in accordance with MIL-STD-1168. Unless otherwise approved by the contracting officer, the inspection lot size of end items deliverable under the contract shall be not less than the smallest weekly estimate of quantities contractually scheduled for production during the contract period nor more than the largest monthly quantity contractually scheduled for delivery during the contract period. Inspec-

tion lots for components or subassemblies, other than the items of delivery, shall be homogeneous and of a size mutually convenient to both the contractor and the Government inspector. Each lot shall contain:

- (a) Percussion primers of one lot interfix number from one manufacturer.
- (b) Primer metal components of one lot interfix number from one manufacturer.
- (c) Black powder of one lot number from one manufacturer.

4.2.2 *Examination.* Inspection for Critical defects shall be 100 percent. Sampling plans and procedures for Major and Minor defects shall be in accordance with MIL-STD-105 except that continuous sampling plans in accordance with Standard MIL-STD-1235 may be used if approved by the procuring activity. Also, at the option of the procuring activity, AQLs and sampling plans may be applied to individual characteristics listed using an AQL of 0.65 percent for each Minor defect and an AQL of 0.40 percent for each Major defect, except where 100 percent inspection is specified. Equipment necessary for the performance of the inspections listed shall be in accordance with 4.2.4.

4.2.2.1 Ignition element assembly (see dwg. 8861199) covering a detail of dwg. 8861197).

Categories	Defects	Method of inspection	Code No.
Critical:			
1.	Total length (over primer) max.	Gage	01001
Major: AQL 0.65 percent			
101.	Primer missing or damaged	Visual	01002
102.	Seal missing or incomplete at joint between primer and cup sidewall	Visual	01003
103.	Primer inverted	Visual	01004
Minor: AQL 0.65 percent			
201.	Evidence of poor workmanship (see 3.7)	Visual	01005

4.2.2.2 Container, charge assembly, prior to sealing closure (see dwg. 8861201) covering a detail of dwg. 8861197.

MIL-P-46296C (MU)

Categories	Defects	Method of inspection	Code No.
Critical: None defined			
Major:	AQL 0.40 percent		
101.	Weight of charge, min.	Balance	02001
Minor:	AQL 0.65 percent		
201.	Foreign matter in charge or on interior surface of container	Visual	02002

4.2.2.3 Container, charge assembly (see dwg. 8861201) covering a detail of dwg. 8861197.

Categories	Defects	Method of inspection	Code No.
Critical: None defined			
Major:	AQL 0.40 percent		
101.	Closure assembly above flush	Visual	03001
102.	Closure disc ruptured.....	Visual	03002
Minor:	AQL 1.0 percent		
201.	Closure assembly incompletely sealed (not 360 degrees).....	Visual	03003
202.	Evidence of poor workmanship (see 3.7)	Visual	03004

4.2.2.4 Assembly, prior to inserting ignition element (see dwg. 8861197).

Categories	Defects	Method of inspection	Code No.
Critical: None defined			
Major: None defined			
Minor:	AQL 0.65 percent		
201.	Foreign matter on interior surface (see 3.7)	Visual	04001

4.2.2.5 Assembly, prior to assembling container charge assembly (see dwg. 8861197).

Categories	Defects	Method of inspection	Code No.
Critical: None defined			
Major:	AQL 0.25 percent		
101.	Ignition element assembly inverted	Visual	05001
102.	Seal missing or incomplete between ignition element assembly and body.....	Visual	05002
Minor:	AQL 1.0 percent		
201.	Ignition element not fully seated	Torque	05003
202.	Foreign matter in interior	Visual	05004

4.2.2.6 Assembly (see dwg. 8861197).

Categories	Defects	Method of inspection	Code No.
Critical:			
1.	Plunger above flush when it is touching ignition element	Gage	06001
Major:	AQL 0.65 percent		
101.	Body and container joint seal incomplete.....	Visual	06002
102.	Container cup cracked or punctured	Visual	06003
103.	Container charge assembly below flush max.	Torque	06004
104.	Container charge assembly above flush.....	Visual	06005
Minor:	AQL 1.5 percent		
201.	Total length, max.	Gage	06006
202.	Coating missing from container assembly (rear surface)	Visual	06007
203.	Marking misleading or unidentifiable	Visual	06008
204.	Evidence of poor workmanship (see 3.7)	Visual	06009

4.2.2.7 Carton, packing, domestic (see dwg. 8796535).

Categories	Defects	Method of inspection	Code No.
Critical: None defined			
Major:	AQL 0.40 percent		
101.	Assembly damaged so that contents are exposed or liable to become exposed	Visual	07001
102.	Sealing strip incomplete, badly wrinkled, or not in contact with surface of box for at least 1/2 inch around entire body	Visual	07002
Minor:	AQL 0.65 percent		
201.	Contents move when shaken	Manual	07003

4.2.2.8 Box, packing, domestic (see dwg. 8796536).

Categories	Defects	Method of inspection	Code No.
Critical: None defined			
Major:	AQL 0.65 percent		
101.	Strapping missing, broken or loose	Visual- Manual	08001
102.	Board broken or split.....	Visual	08002
103.	Contents exposed	Visual	08003

MIL-P-46296C (MU)

Minor:	AQL 1.5 percent		
201.	Strapping improperly assembled	Visual- Manual	08004
202.	Contents move when shaken	Manual	08005
203.	Marking misleading or unidentifiable	Visual	08006

4.2.2.9 Carton, packing, overseas (see dwg. 8796678).

Categories	Defects	Method of inspection	Code No.
Critical:	None defined		
Major:	AQL 0.40 percent		
101.	Assembly damaged so that contents are exposed or liable to become exposed	Visual	09001
102.	Sealing strip incomplete, badly wrinkled, or not in contact with surface of box for at least $\frac{1}{2}$ inch around entire box	Visual	09002
Minor:	AQL 1.5 percent		
201.	Contents move when shaken	Manual	09003
202.	Label missing (when applicable)	Visual	09004
203.	Marking misleading or unidentifiable	Visual	09005

4.2.2.10 Box, packing, overseas (see dwg. 8796679).

Categories	Defects	Method of inspection	Code No.
Critical:	None defined		
Major:	AQL 0.65 percent		
101.	Hardware or strapping missing, broken or loose	Visual- Manual	10001
102.	Board broken or split	Visual	10002
103.	Contents exposed	Visual	10003
Minor:	AQL 2.5 percent		
201.	Hardware or strapping improperly assembled	Visual- Manual	10004
202.	Car seal missing, unsealed or improperly positioned	Visual- Manual	10005
203.	Handle missing or insecure	Visual- Manual	10006

204.	Contents move when shaken	Manual	10007
205.	Marking misleading or unidentifiable	Visual	10008

4.2.3 Testing. The test equipment shall be in accordance with 4.2.4.

4.2.3.1 Nonfunctioning (see 3.4) Critical defect — Code No. 05005.

4.2.3.1.1 Beginning with the first lot produced, and continuing until three consecutive lots have complied with the acceptance criteria specified, a sample of 150 head assemblies shall be randomly selected from each lot for the test. If any sample fails to comply with requirements the lot shall be rejected. The test shall be performed as specified in 4.3.2.

4.2.3.1.2 After three consecutive lots have met the criteria of 4.2.3.1.1, a sample of 50 head assemblies shall be randomly selected from each lot for this test. If one or more primers fails to comply with the applicable requirement, the lot shall be rejected. The test shall be performed as specified in 4.3.2 using equipment in accordance with 4.2.4. Primers subjected to this test shall be destroyed.

4.2.3.2 Functioning.

4.2.3.2.1 Without black powder charge (see 3.5.1) Major defect — Code No. 05006.

4.2.3.2.1.1 Beginning with the first lot produced and continuing until three consecutive lots have complied with the acceptance criteria specified, three hundred primers shall be selected from each lot for this test. If five or more primers fail to comply with the specified requirements the lot shall be rejected. If two, but less than five, defectives are found a second sample of 600 primers shall be tested. If the combined number of defectives in both the first and second sample is 5 or more the lot shall be rejected. The test shall be performed as specified in 4.3.3.1.

4.2.3.2.1.2 After three consecutive lots have met the criteria of 4.2.3.2.1.1, one hundred and twenty-five primers shall be selected

MIL-P-46296C (MU)

from each subsequent production lot for this test. If 2 or more primers fail to comply with the specified requirement the lot shall be rejected. If only one defective is found, a second sample of 250 primers shall be tested. If the combined number of defectives in both the first and second sample is 2 or more, the lot shall be rejected. The test shall be performed as specified in 4.3.3.1.

4.2.3.2.2 With black powder charge (see 3.5.2) — Major defect, Code No. 06010.

4.2.3.2.2.1 Beginning with the first lot produced and continuing until three consecutive lots have complied with the acceptance criteria specified, 25 primers shall be randomly selected for this test; if any primer fails to comply with the requirement the lot shall be rejected. The test shall be performed as specified in 4.3.3.2.

4.2.3.2.2.2 After three consecutive lots have met the criteria of 4.2.3.2.1, 10 primers shall be randomly selected for this test; if any primer fails to comply with the requirement the lot shall be rejected. The test shall be performed as specified in 4.3.3.2.

4.2.3.3 Moisture content of black powder (see 3.3) — Major defect — Code No. 11001. A sample of one container charge assembly prior to assembly to the primer body shall be randomly selected from each eight hours production. The black powder shall be removed and tested as specified in 4.3.1. Any failure to comply with the applicable requirement shall be cause for rejection of the eight hours production represented by the sample.

4.2.3.4 Grade of powder (see dwg. 8861201) — Major defect Code No. 12001. The contractor shall select approximately 100 grams of black powder from each container for this test. If any sample fails to comply with granulation requirement, the container from which it was taken shall not be used in the loading of the primers. The grade of black powder shall be determined as specified in Specification MIL-P-223.

4.2.3.5 Chamber gage (3.6) Major defect — Code No. 13001. This test shall be con-

ducted 100 percent. Any primer which fails to meet the requirements shall be removed from the lot.

4.2.3.6 Check test for deterioration (not applicable to new production). This test is intended to prevent the loading of major ammunition items with primers that have deteriorated. The tests shall be performed on primers from each lot which has been stored under normal conditions for more than two years, or under adverse conditions for any period of time (see 6.4 and 6.5). If the specification for the ammunition item into which the primers are loaded does not require performance of the check test, the contracting officer should insert a check test requirement in the contract.

4.2.4 Inspection Equipment. Equipment Tabulation Number ET-8861197 identifies the inspection equipment required to perform the examinations and tests prescribed in this section. The contractor shall design inspection equipment in accordance with the instructions in 6.3.

4.2.4.1 Government rights to documentation. Inspection equipment drawings and lists provided and revised in accordance with the requirements of the ET may be used by DOD activities for design, procurement, manufacture, testing, evaluation, production and receiving inspection, overhaul, shipping, storage, identification of stock, ordering and storage of replacement parts, inspection of items at overhaul, general maintenance of equipment, construction, survey and whenever inspection equipment drawings are needed.

4.2.4.2 Supply and maintenance. Supply and maintenance of the equipment listed in the ET shall be in accordance with Specification MIL-I-45607.

4.2.4.3 Government use of contractor's inspection equipment. The contractor shall make available to the Government all inspection equipment necessary for determining conformance with contract requirements. Personnel for operating the equipment and verification of its accuracy, shall be supplied

MIL-P-46296C (MU)

by the contractor for the performance of examination or test by the Government.

4.3 Test methods and procedures.

4.3.1 Determination of moisture content of black powder. The moisture content of the black powder shall be determined in accordance with the procedure specified in Specification MIL-P-223.

4.3.2 Nonfunctioning. The primer less the black powder charge shall be assembled in the test fixture specified in 4.2.4. A steel ball approximately 1-19/32 inches in diameter and weighing 16.34 plus or minus 0.02 ounces shall be dropped on the firing pin from a height of 1½ inches minimum. The drop height shall be measured as the distance between the bottom of the ball and the top of the firing pin. Any primer assembly that fires shall be classed as defective.

4.3.3 Functioning.

4.3.3.1 Without black powder. The primer assembly less the black powder charge shall be tested as specified in 4.3.2 except that the drop height shall be increased to 9 inches maximum. Any primer assembly that fails to fire shall be classed defective.

4.3.3.2 With black powder. The primers shall be assembled with a dummy projectile at a Government proving ground and percussion fired from a gun for which the round is standard.

5. PREPARATION FOR DELIVERY

5.1 Preservation and packaging (see 6.1).

5.1.1 Level A. Packaging shall be in accordance with dwg. 8796678.

5.1.2 Level C. Packaging shall be in accordance with dwg. 8796535.

5.2 Packing (see 6.1).

5.2.1 Level A. Packing shall be in accordance with dwg. 8796679.

5.2.2 Level C. Packing shall be in accordance with dwg. 8796536.

5.3 Marking. Marking shall be as specified below except that the item nomenclature shall be "Primer, Percussion, M82."

5.3.1 Level A. Marking for interior packages shall be in accordance with dwg. 8796678. Marking for exterior boxes shall be in accordance with dwg. 8796679.

5.3.2 Level C. Marking for interior packages is not required. Marking of exterior boxes shall be in accordance with dwg. 8796536.

6. NOTES

6.1 Ordering data. Procurement documents shall specify the following:

- (a) Title, number and date of this specification.
- (b) Data cards shall be prepared for each lot in accordance with the information specified in Standard MIL-STD-1167.
- (c) Level of protection required.

6.2 Inspection code numbers. The five digit code numbers assigned to the inspections herein are to facilitate future data collection and analysis by the Government.

6.3 Inspection equipment. The contractor shall design inspection equipment as required by the referenced inspection Equipment Lists (EL) in accordance with the instructions of paragraphs 6.3.1. through 6.3.7.

6.3.1 Inspection equipment lists. Inspection equipment lists indicate the availability of inspection equipment designs by showing in the "number" column of the list of inspection equipment (SMUPA Form 1010) the numbers of drawings of existing equipment designs or codes as indicated in paragraph 6.3.2. Design action required of the contractor with respect to the different types of drawings that may be listed is described in paragraphs 6.3.3 and 6.3.4. Action required by the contractor with respect to commercial inspection equipment is described in 6.3.5. The contractor will be required to prepare detailed drawings in accordance with 6.3.6 for all the equipment coded as "Contractor

MIL-P-46296C (MU)

Design" in the number column. These contractor designs must be approved by the Government prior to fabrication or procuring of the equipment. Designs shall be submitted for approval as specified in 6.3.7.

6.3.2 Inspection equipment list codes. The inspection equipment as defined in 6.3.3, 6.3.4, 6.3.5 and 6.3.6 will be designated in the EL by the following codes:

- CDAF — Contractor's design responsibility on Army format in accordance with MIL-D-45608.
- CDCF — Contractor's design responsibility on contractor format.
- AD — Army design.
- ADMU — Army design, mandatory for use.
- CE — Commercial equipment.
- SCD — Specification control drawing.

6.3.3 Army designs. Army designs are reflected on detailed drawings which completely depict all the information necessary for the fabrication of the item of inspection equipment. The contractor need provide no design when an Army design is listed for an item of inspection equipment. Army designs fall into two basic classifications, mandatory and non-mandatory. When an inspection equipment list references mandatory Army designs, the contractor shall comply with, and use these designs accordingly. The contractor may, however, in connection with nonmandatory designs and with the approval of the Government, design alternate inspection equipment or use comparable commercial equipment to facilitate his operations. Such contractor prepared designs (see 6.3.6) or commercial equipment selections (see 6.3.5) must be approved by the Government prior to fabrication or procuring of the equipment. Designs shall be submitted for approval as specified in 6.3.7.

6.3.4 Specification control drawing. Specification control drawings depict the minimum equipment requirements in outline. De-

scriptive, diagrammatic or pictorial form only and specify the required performance or other characteristics. Contractors must prepare detailed drawings (see 6.3.6) of their designs in support of specification control drawings. These contractor prepared designs must be approved by the Government prior to the fabrication or procuring of the equipment. Commercial equipment meeting the requirements of specification control drawings must be described in sufficient detail to permit identification and evaluation by the Government (see 6.3.5). Designs shall be submitted for approval as specified in 6.3.7.

6.3.5 Commercial equipment. Commercial equipment is inspection equipment that has universal application for a specific function. It is comprised of items commonly used by industry and Government. Contractors normally are not required to furnish drawings of commercial inspection equipment, but a list of such equipment must be approved by the Government. When commercial inspection equipment requires the use of special fixturing, the design of this fixturing shall be considered as part of the total design, and 6.3.6 shall apply. In the latter case, only those portions of the commercial equipment need be detailed in the designs as are necessary to completely fabricate, calibrate, and operate the total item of inspection equipment. Lists and fixturing designs shall be submitted for approval as specified in 6.3.7.

6.3.6 Contractor designs. Contractor designs are designs of inspection equipment for which the Government has assigned design responsibility to the contractor. Contractor designs shall be supported by detailed drawings which depict all information necessary to completely fabricate, calibrate and operate an item of inspection equipment. This requires that the necessary views, dimensions, materials, finish, notes, operating and calibration instructions be properly depicted in accordance with approved practices to the extent that further calculation or clarification will not be required. Contractor designs identified as CDCF may be developed on the format the contractor normally employs in his equipment design procedure provided

MIL-P-46296C (MU)

such format reflects the detail and information specified above. Contractor designs identified as CDAF shall comply with the format and requirements of MIL-D-45608, and in addition, contain the detail and information specified above. Final approved contractor designs identified as CDCF shall be suitable for microfilming. They must be nonreproducible diazo or electrostatic prints of top quality full size, with black lines on white background and shall provide a legible print produced via the 35mm microfilm process. Contractors shall submit one copy of the final design as a rolled set or flat set. Designs shall be submitted for approval as specified in 6.3.7.

6.3.7 Submission of contractor designs. Unless otherwise specified on the EL, all designs of equipment for inspection of defects classified as critical and major shall be submitted for approval to the Commanding Officer, Picatinny Arsenal, ATTN: SMUPA-ND. All other designs of inspection equipment shall be approved by the inspection element of the agency administering the contract; submission shall be as directed by the contracting officer. Partial submission of inspection equipment designs is permissible and encouraged. However, the Arsenal completion date for design review will be based on the date of the final submission of designs. Picatinny Arsenal design review will be accomplished normally within one month after receipt.

6.4 Cost of check test. The contracting officer will arrange to have the contractor reimbursed for expense incurred in the performance of the check test.

6.5 Check test

6.5.1 Nonfunctioning. (see 3.4) The sampling plan for this test shall be in accordance with table I. Any primer which fail to comply with the applicable requirement shall be classed defective. The test shall be performed as specified in 4.3.2.

6.5.2 Functioning (see 3.5.1). The sampling plan for this test shall be in accordance

TABLE I

Sample	Sample size	Cumulative sample size	Combined sample acceptance No.	Rejection No.
First	20	20	(*)	2
Second	20	40	(*)	2
Third	20	60	0	2
Fourth	20	80	1	3
Fifth	20	100	1	3
Sixth	20	120	1	3
Seventh	20	140	2	3

* No acceptance on first or second sample.

with table II. Any primer which fails to comply with the applicable requirements shall be classed defective. The test shall be performed as specified in 4.3.3.1.

TABLE II

Sample	Sample size	Cumulative sample size	Combined sample acceptance No.	Rejection No.
First	75	75	(*)	2
Second	75	150	0	3
Third	75	225	0	3
Fourth	75	300	1	4
Fifth	75	375	2	5
Sixth	75	450	2	5
Seventh	75	525	4	5

* No acceptance on first or second sample.

6.5.3 Moisture content of black powder. A sample of 25 primers shall be selected for this test. The black powder shall be removed from the flash tube and the moisture content determined* in accordance with the method specified in Specification MIL-P-223. If the moisture content of any of the powder tested exceeds 0.7 percent, the lot of primers shall be rejected.

6.6 Standardization agreement. Certain provisions of this specification are the subject of International Standardization Agreement ABCA — Army-STD-150. When amendment revision, or cancellation of this specification is proposed, the departmental custodians will inform their respective Departmental Standardization Offices so that

* Since black powder is hygroscopic, it is advisable to place the powder in a dry airtight container immediately upon removal, and to run the determination as soon as possible thereafter.

MIL-P-46296C (MU)

appropriate action may be taken respecting the international agreement concerned.

6.7 Metal parts separation. Missing metal from the lip area (mouth of the primer) is

considered a "burned through" area and not metal parts separation provided that such an area is not greater than $\frac{1}{4}$ -inch wide at the lip and does not extend more than $\frac{1}{4}$ -inch back from the lip.

Custodian:

Army—MU

Preparing activity:

Army—MU

Project No. 1390-A582

SPECIFICATION ANALYSIS SHEET		Form Approved Budget Bureau No. 11-19004
INSTRUCTIONS		
<p><small>This sheet is to be filled out by personnel either Government or contractor involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. This sheet is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fill on lines on reverse side, staple in corner, and send to preparing activity.</small></p>		
SPECIFICATION		
ORGANIZATION	CITY AND STATE	
CONTRACT NO	QUANTITY OF ITEMS PROCURED	DOLLAR AMOUNT
MATERIAL PROCURED UNDER A		
<input type="checkbox"/> DIRECT GOVERNMENT CONTRACT <input type="checkbox"/> SUBCONTRACT		
1. HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING		
B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES		
2. COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID		
3. IS THE SPECIFICATION RESTRICTIVE? <input type="checkbox"/> YES <input type="checkbox"/> NO IF "YES" IN WHAT WAY?		
4. REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)		
SUBMITTED BY (Printed or typed name and activity)		DATE