INCH-POUND

MIL-C-44216A
30 June 1989
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29 January 1986

MILITARY SPECIFICATION

CANTEEN, WATER, COLLAPSIBLE, 5-QUART CAPACITY

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers a collapsible water canteen having a 5-quart capacity.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

* 2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation (see 6.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8465

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

SPECIFICATIONS

FEDERAL

L-P-349	-	Plastic Molding and Extrusion Material, Cellulose Acetate, Butyrate
L-P-375	-	Plastic Film, Flexible, Vinyl Chloride
PPP-B-566	-	Boxes, Folding, Paperboard
PPP-B-636	-	Boxes, Shipping, Fiberboard
PPP-B-676	-	Boxes, Set-Up
PPP-T-45	-	Tape, Gummed, Paper, Reinforced and Plain, For Sealing and Securing

MILITARY

MIL-L-35078	-	Loads, Unit: Preparation of Semiperishable Subsistence Items; Clothing, Personal Equipment and Equipage; General Specification for
MIL-C-43006	-	Cloth and Strip Laminated, Vinyl-Nylon, High Strength Flexible
MIL-C-44217	-	Cap, Water Canteen, 5-Quart, Collapsible
MIL-C-44218	-	Carrier, and Canteen/Collapsible, 5-Quart Capacity
MIL-C-44219	-	Carrier, Canteen, Collapsible, 5-Quart Capacity

STANDARDS

FEDERAL

FED-STD-66	-	Steel: Chemical Composition and Hardenability
FED-STD-191	-	Textile Test Methods

MILITARY

MIL-STD-105	-	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129	-	Marking for Shipment and Storage
MIL-STD-130	-	Identification Marking of U.S. Military Property
MIL-STD-147	-	Palletized Unit Loads
MIL-STD-731	-	Quality of Wood Members for Containers and Pallets

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Naval Publications and Forms Center, (ATTN: NPODS), 5801 Tabor Avenue, Philadelphia, PA 19120-5099.)

* 2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

DRAWINGS

U.S. ARMY NATICK RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER

8-2-134 - Canteen, Water, Collapsible, 5-Quart Capacity

(Copies of drawings are available from the U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014.)

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder (21 CFR, Parts 177 and 182)

(The Code of Federal Regulations (CFR) and the Federal Register (FR) are for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. When indicated, reprints of certain regulations may be obtained from the Federal agency responsible for issuance thereof.)

* 2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are those listed in the issue of the DODISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

NATIONAL SANITATION FOUNDATION (NSF)

Standard No. 60 - Drinking Water Treatment Chemicals - Health Effects
Standard No. 61 - Drinking Water System Components - Health Effects

Listing of Food Service Equipment

(Application for copies should be addressed to the National Sanitation Foundation, 3475 Plymouth Road, P.O. Box 1468, Ann Arbor, MI 48106.)

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 882 - Tensile Properties of Thin Plastic Sheeting
D 3951 - Standard Practice for Commercial Packaging

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

* 2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

* 3.1 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 6.3), in accordance with 4.3.

3.2 Samples. Samples, when furnished, are solely for guidance and information to the contractor (see 6.6). Variations from this specification may appear in the sample, in which case this specification shall govern.

* 3.3 Material. It is encouraged that recycled material be used when practical as long as it meets the requirements of this specification.

* 3.3.1 Purity.

* 3.3.1.1 Resins. The resins used in the manufacture of the canteen neck, and the antioxidants or other substances incorporated in the plastic shall conform to 21 CFR, Part 177 (except Sections 177.1020, 177.1030, 177.1040, 177.1050 and 177.1480) and/or Part 182 to include testing in accordance with 177.2600 (e).

* 3.3.1.2 Materials. The materials which are used to manufacture the canteen and which may come in contact with the drinking water, shall comply with NSF Standard Numbers 60 and 61.

3.3.2 Vinyl film. The vinyl film used to fabricate the body of the canteen shall be unsupported vinyl film conforming to type I, class 1, 0.012 inches thick of L-P-375, except that the film thickness shall be 0.014 $\pm$ 0.0014 inch, and the film shall meet the purity requirements specified in 3.3.1.

3.3.3 Reinforcement neck. The neck reinforcement shall be molded from a vinyl chloride formulation as specified in 3.3.2, dimensions shall be in accordance with Drawing 8-2-134.

3.3.4 Neck (inner and outer). The inner and outer neck shall be black and molded from a virgin cellulose acetate butyrate conforming to grade MS of L-P-349 which is combined with a suitable odor masking ingredient to substantially reduce the inherent odor, and which meets the purity requirements specified in 3.3.1. The surface shall have a uniformly high luster throughout produced by molding.

3.3.5 Cap assembly. The cap assembly shall conform to MIL-C-44217.

3.3.6 Strainer. The strainer filter shall be made of either 302 or 304 corrosion resisting steel conforming to FED-STD-66. The screen shall be 16 mesh minimum or 14 mesh maximum.

3.3.7 Reinforcement neck attachment. The neck attachment reinforcement shall be white and conform to type II, class 1, form 1 of MIL-C-43006.

3.4 Design and construction. The collapsible water canteen shall conform to the design, shape, and dimensions shown on Drawing 8-2-134.

* 3.4.1 Body. The canteen body shall be fabricated of material specified in 3.3.2 and heat sealed (flat seam) using a 1/8 inch wide heat seal. The neck with corresponding parts and reinforcements shall be suitably fastened to the body of the canteen as shown on Drawing 8-2-134 and shall meet all other requirements as specified herein. If an excess of the neck reinforcement protrudes after assembly, it shall be trimmed. Cement shall be used to bond the neck reinforcement to the outer neck in order to prevent the parts from turning or being removed after assembly. The cement shall be contained within the contacting surfaces, i.e., there shall be no overflowing or smearing of cement on the end, inner, or outer surfaces of the neck assembly. The cap shall be attached and assembled to the outer neck as shown on Drawing 8-2-134. All thread sections of the outer neck shall be smooth, clean, and free from nicks and damage.

3.4.2 Strainer. The strainer shall be constructed so that it may be inserted into the neck and removed manually with ease. It shall not be loose enough to fall out when the canteen, with the cap removed, is in the drinking position.

3.5 Performance.

3.5.1 Porosity. The canteen shall not leak air when tested as specified in 4.4.4.

3.5.2 Heat seal. The strength of the heat seal bond shall be not less than 65 percent of the breaking strength of the film when tested as specified in 4.4.4.

* 3.5.3 Impact test. The canteen, when assembled in accordance with MIL-C-44218, into a carrier conforming to MIL-C-44219 (see 6.4), shall not leak or fracture when subjected to the impact test as specified in 4.4.4.

3.5.4 Neck bonding. The force necessary to remove the outer neck reinforcement shall be greater than 60.0 pounds when tested as specified in 4.4.4 (see 6.5).

3.6 Marking for identification. Marking shall be in accordance with MIL-STD-130 and the following: The letters "U.S." and contract data indicated below shall be printed in black ink on each canteen and located as shown on Drawing 8-2-134.

Canteen, Water, Collapsible, 5-Quart Capacity
Stock Number
Contractor
Contract Number

The above contract data shall be block printed in 1/4 inch letters on the side opposite the "U.S.".

* 3.7 Workmanship. The Canteen shall conform to the quality of product established by this specification.

4. QUALITY ASSURANCE PROVISIONS

* 4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this specification where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

* 4.1.1 Responsibility for compliance. All items shall meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in this specification shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

* 4.1.2 Responsibility for dimensional requirements. Unless otherwise specified in the contract or purchase order, the contractor is responsible for ensuring that all specified dimensions have been met. When dimensions cannot be examined on the end item, inspection shall be made at any point, or at all points in the manufacturing process necessary to ensure compliance with all dimensional requirements.

* 4.1.3 Certificates of compliance. When certificates of compliance are submitted, the Government reserves the right to inspect such items to determine the validity of the certification.

4.2 Classification of inspections. The inspection requirements specified herein are classified as follows:

a. First article inspection (see 4.3)
b. Quality conformance inspection (see 4.4)

* 4.3 First article inspection. When a first article is required (see 3.1 and 6.2), it shall be examined for the defects specified in 4.4.3 and tested as specified in 4.4.4.

4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified, or qualified in this specification or applicable purchase document.

* 4.4.1.1. Component and material certification. The contractor shall furnish a certificate of compliance to the requirements of 3.3.1, 3.3.2, 3.3.4, 3.3.6 and 3.3.7. In addition, the odor and color of the neck material and the color of the neck reinforcement attachment shall be examined organoleptically as necessry to determine conformance to the odor and color requirements of 3.3.4 and 3.3.7. Any nonconformance to a purity or identity requirement shall be cause for rejection of the material or of any involved product.

* 4.4.1.2 Cap assembly examination. The contractor shall furnish a certificate of compliance of this item to the requirements of MIL-C-44217. Any nonconformance to these requirements shall be cause for rejection of this item or of any involved product.

* 4.4.2 In-process inspection. Inspection of sub-assemblies shall be made to ascertain that construction details which cannot be examined in the finished product are in accordance with specified requirements. The Government reserves the right to exclude from consideration for acceptance, any material or service for which in-process inspection has indicated nonconformance.

4.4.2.1 Component dimensional examination. Canteen body and neck components, including neck parts, reinforcement and attachment, shall be examined prior to assembly for conformance to the dimensions specified in Drawing 8-2-134. Any dimension not within the specified tolerance shall be cause for rejection of that component, for correction of the manufacturing process as required, and for examination of the next produced component until conformance to all specified dimensions is demonstrated.

4.4.2.2 Component heat sealing examination. The side and bottom heat seals of the canteen body shall be examined visually for compliance with the heat sealing requirements of Drawing 8-2-134 and 3.4.1. Any open seam or seam that is not continuous or that is puckered and distorted or otherwise shows evidence of inadequate or poor fusion shall be cause for rejection of that component. Correction of the manufacturing process as required shall be made, and examination of the next component shall be conducted until conformance to the specified heat sealing requirement is demonstrated.

* 4.4.3 End item visual examination. The end item (one complete collapsible water canteen) shall be examined for the defects listed in table I. The lot size shall be expressed in units of canteens. The sample unit shall be one canteen. The inspection level shall be S-2 (see 6.7).

NOTE: Defects shown as an asterisk (*) are to be classified as indicated below:
Major defect - When seriously affecting serviceability or appearance.
Minor defect - When affecting serviceability or appearance, but not seriously.

TABLE I. End item visual defects

Examine	Defect	Classification Major	Minor
Quality and finish of plastic and metallic material (film, neck attachment, neck components, cap and strainer)	Any bubbles, sharp crease, wrinkle, blister or gouge.		*
	Any crazing, pits, chipping.		*
	Outside surfaces of outer neck including threaded portion not smooth.		*
	Finish produced by application of coating, lacquer, or other organic material.	101	
	Any cut, tear, hole, burn, break, crack or mend in canteen body.	102	
	Weld mark, sink mark, shrink mark, dulling of surface, roughness, or abrasion on plastic.		*
	Strainer surface not smooth.	103	
Design and construction	Varies from specified design and construction shown on specified drawing.		*
	Not shape or contour specified.		*
	Any characteristic not in accordance with specified requirements.		*
	Seam construction not as specified (flat).	104	

* TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification Major	Minor
Workmanship and assembly (general)	Any open or discontinuous seam.	105	
	Width of heat seal not as specified.	*	
	Poor heat seal resulting in inadequate fusion.	106	
	Any seam puckered or distorted in heat sealing.	107	
	Any patch splice or repair of plastic material.	108	
	Any foreign matter or material not readily removable on the outside or inside of the canteen that may cause damage to the material or have injurious effect to the user.	109	
	Strainer falls out.	110	
	Strainer not easily inserted or removed.		201
	Any component misplaced or misaligned.	111	
	Any gate not trimmed flush with the molded surface.		202
	Any component missing.	112	
	Any component loose or not attached as specified.	*	
	Any cement overflow or smear.		203
Workmanship and assembly of outer neck	Sealing surface of lip is not flat, smooth and free from sink marks or depression.	*	
	Flash appearing on parting line.	113	
Assembly with cap	Canteen cap will not screw onto outer neck of canteen.	114	
	Cap binds when screwing onto outer neck of canteen.	*	
Workmanship of threads	Threads on body neck stripped, not permitting tight closure.	115	
	Threads not smooth.	116	
	Threads improperly gaged or improperly aligned on component preventing seal at closure.	117	
	Threads not fully formed, not free from flash, misaligned at parting line, or other imperfection.	*	

TABLE I. End item visual defects (cont'd)

Examine	Defect	Classification Major	Minor
Cleanliness	Dirt, grease, dust or other foreign matter on inside of the canteen.	118	
Identification marking	Missing, illegible, incomplete, incorrect, wrong size or wrong type, not applied as specified, not in specified location.		204

* 4.4.4 End item testing. The completely fabricated canteen shall be tested for the characteristics listed in table II. The lot size shall be expressed in canteens. The sample unit shall be six completely fabricated canteens; for the impact test six carriers will also be required (see 6.4). The inspection level shall be S-1. Any failure of the porosity, bonding or seal strength, neck bonding or impact tests shall be classified as a major defect and shall be cause for rejection of the lot. All testing shall be performed on samples aged at least 14 days.

TABLE II. Fabricated canteen tests

Characteristic	Requirements paragraph	Test method	Inspection level
Porosity (leakage)	3.5.1	4.4.4.1	S-1
Bonding or seal strength	3.5.2	4.4.4.2	S-1
Impact test (drop) (with carrier)	3.5.3	4.4.4.3	S-1
Neck bonding	3.5.4	4.4.4.4	S-1

* 4.4.4.1 Porosity (leakage). The canteen shall be inflated with air to 2.0 ± 0.1 p.s.i. and submerged approximately 6 inches for 15 seconds in water at room temperature. The canteen shall be observed for air leakage.

* 4.4.4.2 Bonding or seal strength. Breaking strength of the film and bonding strength of the seal shall be determined as specified in Method B of ASTM D 882. The test specimens shall be 1 inch wide. For breaking (bonding) strength of bonded seam, the seam shall be at the center of the specimen and perpendicular to the center line. The free ends of the specimen shall be gripped (one in each jaw) of the testing machine.

* 4.4.4.3 Impact test. A complete canteen (canteen and carrier, (see 6.4) shall be completely filled with water; the cap shall be screwed on tightly, and the canteen shall be dropped from a height of 10 feet to a concrete surface, making sure that the cap does not strike the hard surface. The drop shall then be repeated once again only this time making sure that the cap does strike the hard surface. The component parts of the canteen shall then be examined for fractures or signs of leakage. The test shall be performed under standard conditions as specified in FED-STD-191.

* 4.4.4.4 Neck bonding. The test apparatus shall be as described in Method 5100 of FED-STD-191, with an initial jaw separation of 4 inches, and the machine adjusted so that the pulling clamp shall have a uniform speed of 12 $\pm$ 0.5 inches per minute. The cap shall be screwed tightly onto the canteen. The upper jaw shall grasp the chain as close as possible to the top of the cap. The canteen shall be folded in such a manner that the bottom clamp will grasp several layers of the film as close to the neck reinforcement as possible. The force necessary to pull the neck from the canteen shall be recorded. In the event that the neck cannot be removed from the canteen, the force necessary to break the chain or canteen film shall be recorded and shall be considered as meeting the requirements of this specification, if the recorded force is greater than the requirement.

* 4.4.5 Packaging examination. The fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers. The sample unit shall be one shipping container fully packaged. The inspection level shall be S-2 (see 6.7).

Examine	Defect
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application
Materials	Any component missing, damaged, or not as specified
Workmanship	Inadequate application of components, such as: incomplete sealing or closure of flap, improper taping, loose strapping inadequate stapling Bulged or distorted container
Content	Number per container is more or less than required

* 4.4.6 Palletization examination. The fully packaged and palletized end items shall be examined for the defects listed below. The lot size shall be expressed in units of palletized unit loads. The sample unit shall be one palletized unit load, fully packaged. The inspection level shall be S-1 (see 6.7).

Examine	Defect
Finished dimensions	Length, width, or height exceeds specified maximum requirements
Palletization	Pallet pattern not as specified Interlocking of loads not as specified Load not bonded with required straps as specified
Weight	Exceeds maximum load limits
Marking	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application

5. PACKAGING

5.1 Preservation. Preservation shall be level A or Commercial as specified (see 6.2).

5.1.1 Level A. Each water canteen, with the plastic cap screwed on fingertight, shall be compactly rolled starting from the bottom end. Each rolled water canteen shall be unit packed (neck and cap on side) in a folding paperboard box conforming to variety 1, style III, type G, class i of PPP-B-566; or setup paperboard box conforming to type I, variety 1, class A, style 4 of PPP-B-676. Inside dimensions of each paperboard box shall be 11 inches in length, 3 inches in width and 2-1/2 inches in depth. Box closure shall be secured with 1-inch minimum width gummed paper tape conforming to type III, grade A of PPP-T-45, applied at the center of the length opening and extending along the bottom and up each side at least 1-inch.

5.1.2 Commercial. Each water canteen shall be preserved in accordance with ASTM D 3951.

5.2 Packing. Packing shall be level A, B, or Commercial as specified (see 6.2).

5.2.1 Level A packing. Sixty water canteens, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, grade V2s of PPP-B-636. Level A unit packs shall be packed flat two

in length, five in width, and six in depth within a shipping container. Inside dimensions of each shipping container shall approximate 22-1/2 inches in length, 16-1/4 inches in width, and 15-3/4 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method III, waterproofed in accordance with method V, and reinforced as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5. Shipping containers shall be arranged in unit loads in accordance with MIL-L-35078 for the type and class of load specified (see 6.2). Strapping shall be limited to nonmetalic strapping, except for type II, class F loads.

5.2.2 Level B packing. Sixty water canteens, preserved as specified in 5.1, shall be packed in a snug-fitting fiberboard shipping container conforming to style RSC, type CF (variety SW) or SF, class domestic, grade 275 of PPP-B-636. Level A unit packs shall be packed flat two in length, five in width and six in depth within a shipping container. Inside dimensions of each shipping container shall approximate 22-1/2 inches in length, 16-1/4 inches in width and 15-3/4 inches in depth. Approximate dimensions are furnished as a guide only. Each shipping container shall be closed in accordance with method II as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5.

5.2.2.1 Weather-resistant fiberboard containers. When specified (see 6.2), the shipping container shall be a grade V3c, V3s, or V4s fiberboard box fabricated in accordance with PPP-B-636 and closed in accordance with method III as specified in the appendix of PPP-B-636, except that the inspection shall be in accordance with 4.4.5.

5.2.3 Commercial packing. Water canteens, preserved as specified in 5.1, shall be packed in accordance with ASTM D 3951.

* 5.3 Palletization. When specified (see 6.2), water canteens packed as specified in 5.2.2 and 5.2.3, shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Pallet types shall be type I (4-way entry), type IV, or type V in accordance with MIL-STD-147. Pallets shall be fabricated from wood groups I, II, III, or IV of MIL-STD-731. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means K and L or film bonding means O or P. Pallet pattern shall be number 2 in accordance with appendix of MIL-STD-147. Interlocking of loads shall be effected by reversing the pattern of each course.

5.4 Marking. In addition to any special marking required by the contract or purchase order, unit packs, shipping containers and palletized unit loads shall be marked in accordance with MIL-STD-129 or ASTM D 3951, as applicable.

6. NOTES

* (This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The water canteen is intended for use with a carrier conforming to MIL-C-44219 in temperate and tropical environments by individual military personnel for carrying drinking water.

* 6.2 Acquisition requirements. Acquisition documents must specify the following:

a. Title, number, and date of this specification.
b. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced (see 2.1.1 and 2.2).
c. When a first article sample is required (see 3.1, 4.3 and 6.3).
d. Levels of preservation and packing (see 5.1 and 5.2).
e. Type and class of unit load (see 5.2.1).
f. When weather-resistant grade fiberboard shipping containers are required for level B packing (see 5.2.2.1).
g. When palletization is required (see 5.3).
h. Acceptance criteria required (see 6.7).

* 6.3 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of FAR 52.209. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should also include specific instructions in acquisition documents regarding arrangements for selection, inspection, and approval of the first article.

6.4 Carriers. For access to the carriers, address the procuring activity issuing the invitation for bids.

6.5 Cements. Minnesota Mining Cements EC 826 and EC 678, and B.B. Chemical Company Bostik Cement 4034 have been found suitable for attaching the outer neck to the neck reinforcement.

6.6 Samples. For access to samples, address the contracting activity issuing the invitation for bids or request for proposal.

* 6.7 Acceptance criteria. The acceptance criteria below are recommended for use. The acceptance criteria as specified in the contract or purchase order shall be binding. Unless otherwise specified, the following acceptance criteria are in accordance with MIL-STD-105.

* 6.7.1 For end item visual examination. An acceptable quality level (AQL), expressed in terms of defects per hundred units, of 1.5 for major defects and 10 for minor defects is recommended.

* 6.7.2 For packaging examination. An AQL, expressed in terms of defects per hundred units, of 2.5 is recommended.

* 6.7.3 For palletization examination. An AQL, expressed in terms of defects per hundred units, of 6.5 is recommended.

* 6.8 Subject term (key word) listing.

Carrier
Container
Individual equipment

* 6.9 Changes from previous issue. The margins of this specification are marked with asterisks to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content, irrespective of the marginal notations and relationship to the previous issue.

Custodians:

Army - GL
Navy - NU

Review activities:

Army - MD
Navy - MC
DLA - CT

Preparing activity:

Army - GL

(Project 8465-0013)

INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge *(DO NOT STAPLE)*, and mailed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE: This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

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DEPARTMENT OF THE ARMY

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

(See Instructions – Reverse Side)

1. DOCUMENT NUMBER	2. DOCUMENT TITLE
MIL-C-44216A	Canteen, Water, Collapsible, 5-Quart Capacity

3a. NAME OF SUBMITTING ORGANIZATION	4. TYPE OF ORGANIZATION *(Mark one)*
	☐ VENDOR
b. ADDRESS *(Street, City, State, ZIP Code)*	☐ USER
	☐ MANUFACTURER
	☐ OTHER *(Specify)*: _____

5. PROBLEM AREAS

a. Paragraph Number and Wording:

b. Recommended Wording:

c. Reason/Rationale for Recommendation:

6. REMARKS

7a. NAME OF SUBMITTER *(Last, First, MI)* – Optional	b. WORK TELEPHONE NUMBER *(Include Area Code)* – Optional
c. MAILING ADDRESS *(Street, City, State, ZIP Code)* – Optional	8. DATE OF SUBMISSION *(YYMMDD)*