

MIL-C-10022D

14 September 1972

SUPERSEDING

MIL-C-10022C

4 January 1966

MILITARY SPECIFICATION

CHEWING GUM

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

1. SCOPE

1.1 Scope.- This specification covers candy-coated chewing gum tablets and stick gum for use by the Armed Forces as components of operational rations and as items of general issue.

1.2 Classification.- The product shall be of the following types and flavors, as specified (see 6.1):

- Type I - Candy-coated tablets
- Type II - Stick
- Flavor 1 - Peppermint
- Flavor 2 - Spearmint
- Flavor 3 - Fruit flavored
- Flavor 4 - Other flavors, as specified

2. APPLICABLE DOCUMENTS

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

SPECIFICATIONS

FEDERAL

- L-C-110 - Cellophane (Coated and Noncoated Regenerated Cellulose Film).
- PPP-B-636 - Boxes, Shipping, Fiberboard.

MILITARY

- MIL-L-10547 - Liners, Case and Sheet, Overwrap, Water-Vaporproof, Waterproof, Flexible.
- MIL-L-35078 - Loads, Unit, Preparation of Nonperishable Subsistence.

FSC 8925

MIL-C-10022D

STANDARDS

FEDERAL

FED-STD-101 - Preservation, Packaging and Packing Materials,
Test Procedures.

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection
by Attributes.

MIL-STD-129 - Marking for Shipment and Storage.

MIL-STD-668 - Sanitary Standards for Food Plants.

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

2.2 Other publications. - The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issues in effect on date of invitation for bids or request for proposal shall apply:

U. S. Department of Health, Education and Welfare

Federal Food, Drug, and Cosmetic Act and Regulations Promulgated Thereunder.

(Application for copies should be addressed to the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402)

U. S. Army Natick Laboratories

Food Technology - Hedonic Scale Method of Measuring Food Preferences.

(Application for reprints should be addressed to the U. S. Army Natick Laboratories, Attn: AMKRE-FS, Natick, Mass. 01760.)

The National Research Council

Food Chemical Codex (F.C.C.)

(Application for copies should be addressed to the Office of Director, National Academy of Sciences, National Research Council, Washington, D. C. 20418.)

National Motor Freight Traffic Association, Inc., Agent

National Motor Freight Classification

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N. W., Washington, D. C. 20036.)

Uniform Classification Committee, Agent

Uniform Freight Classification

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, Illinois 60606.)

3. REQUIREMENTS

3.1 Bid sample approval (type I only). - Two individually packaged samples containing a minimum of 100 tablets each, representative of the product which the bidder proposed to furnish, shall be submitted to the contracting officer prior to the bid opening. One sample shall be tested to the extent necessary to properly evaluate the bid. Bid sample testing shall include panel testing for palatability (see 4.4.2). Approval shall be in accordance with established standards. The other sample shall serve as a standard reference sample for determining compliance of deliveries.

3.2 Materials. - All materials shall be of good grade and shall be edible, clean, sound, wholesome and free from evidence of insect infestation or other objectionable foreign matter.

3.2.1 Sugar. - Sugar shall be white refined cane or beet sugar, or a combination of both.

3.2.2 Dextrose. - Dextrose shall be refined anhydrous or hydrated monosaccharide.

3.2.3 Corn syrup. - Corn syrup shall be a clarified and concentrated aqueous solution of the product obtained by the partial hydrolysis of corn starch. Dry corn syrup solids may be used.

3.2.4 Flavorings. - Flavorings shall consist of essential oils, specified in Food Chemical Codex (FCC), used either singly or in combination with other material and synthetic oils and flavors.

3.2.5 Other materials.- Other materials such as chewing gum base, plasticizing and softening agents, and coating ingredients, shall be of the quality necessary to produce a finished product meeting the test requirements specified in 3.3.1 or 3.3.2, as applicable.

3.3 Finished product.-

3.3.1 Type I.- Type I gum shall consist of a center and a candy coating. The centers shall consist of sucrose or dextrose (or a combination of both), corn syrup, water-insoluble chewing gum base, softening and plasticizing ingredients, and flavor. Gum, gelatin, starch, or other protective materials may be applied to the centers prior to coating. The candy coating shall be applied by the hot or cold pan method. The coating shall cover the centers completely and shall be free from pits and cracks. A suitable glaze or polish may be used to finish the pieces. Each piece shall weigh not less than 1.4 grams. The flavor of the gum (coating plus center) shall be in an amount sufficient to impart a pleasing characteristic taste sensation. There shall be an immediate release of the specified flavor, and after 20 minutes of chewing, it shall have a residual characteristic flavor. The gum shall not be sticky, grainy, flabby, or stringy. Commercial coloring of candy coating is acceptable.

3.3.1.1 The dry weight of the water-insoluble base shall be not less than 0.20 gram per piece.

3.3.2 Type II.- Type II gum shall meet the center compositional requirements for type I. Each unwrapped stick shall weigh not less than 2.9 grams, and the dimensions shall be not more than 2-7/8 inches in length, 7/8 inch in width, and 3/32 inch in thickness. The dry weight of the water-insoluble base shall be not less than 0.48 gram per stick. The gum shall be fresh (not brittle or hard) and shall possess an immediate characteristic flavor release upon chewing; after 20 minutes chewing, it shall have a residual characteristic flavor.

3.4 Palatability.- Delivery samples shall be compared with the approved bid sample and shall be equal to or better than the approved bid sample. Delivery samples, when required to be panel tested, shall be tested in accordance with 4.4.2 except that the approved bid sample shall be used as the standard.

3.5 Federal Food, Drug and Cosmetic Act.- All deliveries shall conform in every respect to the provisions of the Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder.

3.6 Workmanship.- The product shall be prepared, processed and packaged under modern sanitary conditions and in accordance with good commercial practice. The product shall be processed in establishments meeting the requirements of MIL-STD-668.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection.- 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 in the contract or order, the supplier 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 the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.2 Preacceptance inspection.- The product shall be rejected if produced in plants not meeting the requirements of 3.6.

4.3 Inspection.- Sampling for inspection shall be performed in accordance with MIL-STD-105, except as otherwise indicated hereinafter.

4.3.1 Component and material inspection.- In accordance with 4.1 above, components and material shall be inspected in accordance with all the requirements of referenced specifications, drawings and standards unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

4.3.1.1 Examination of ingredients.- Conformance of ingredients to identity requirements (kind, standard of quality - as applicable) shall be ascertained by examination of pertinent labels, invoices or other valid documents. In addition, each ingredient shall be examined organoleptically as necessary, to determine conformance to condition requirements of 3.2. The sample unit for examination shall be approximately 1 pound of each ingredient (2 ounces of flavorings) derived from a container. The sample size shall be five. In the event a lot consists of less than 5 containers a sample unit shall be taken from each container in the lot. Nonconformance to identity requirements or one or more sample units not conforming to condition requirements shall indicate an unacceptable ingredient and use of such shall be cause for rejection of the involved finished product.

4.3.1.2 Testing of waxed paper, kraft or sulfite paper.- Waxed paper as described in table VI and kraft or sulfite paper as described in 5.1.1.2, shall be tested in accordance with 4.4. Test requirements shall be average requirements. The sample unit for testing shall be 1 square yard or equivalent in sheets. The sample size shall be 3. Results shall be reported to the nearest pound for both basis weight of paper and weight of wax. Nonconformance with requirements shall indicate unacceptable material and use of such shall be cause for rejection of the involved end item.

4.3.1.3 Laminated packaging material. - Conformance of glassine tissue and foiled wax tissue to table VI and laminated aluminum foil to 5.1.1.2.1 shall be ascertained by examination of pertinent invoices, labels or other valid documents from the supplier of packaging material. Nonconformance shall indicate unacceptable material and use of such shall be cause for rejection of the involved end item.

4.3.2 Process examination. - Examination shall be made to determine compliance with the formulation requirements of 3.3.1. Records of formulation shall be maintained. Noncompliance with one or more requirements shall be cause for rejection of the involved product:

4.3.3 Examination of end item. - Examination shall be in accordance with table II through V and 4.3.3.1 through 4.3.3.4. The sampling plans for the aforementioned tables shall be in accordance with table I. The acceptable quality levels (AQLs) shall be expressed as defects per hundred units for tables II, III and V, and percent defective for table IV.

TABLE I.- Sampling plans

Table	Sample unit	Lot size expressed in	Inspection level	AQLs		
				Major	Minor	Total
II	1 - 2 tablet or 5 stick package	Packages	I	1.5	-	4.0
III	1 filled intermediate carton or box	Intermediate carton or boxes	S-3	1.5	-	6.5
IV	1 tablet or stick from a package	Packages	S-3	-	2.5	-
V	1 stick or tablet from a package	Packages	S-2	1.0	-	4.0

TABLE II.- Examination of package

Category		Defects
<u>Major</u>	<u>Minor</u>	
101		Packaging material(s) not as specified. <u>1/</u>
102		Package not fabricated, sealed or closed as specified. <u>1/</u>
103		Tear or hole through package or open seal or closure.
	201	Loose wrap on tablets, loose wrap or sleeve on a stick.
104		Size of chipboard package for tablets not as specified. <u>2/</u>
105		Less than two tablets or 5 sticks per package, as applicable
106		Not clean. <u>1/</u>
107		Prominent odor not associated with product. <u>1/</u>
108		Nomenclature missing, incorrect or illegible. <u>1/</u>
	202	Other required label information missing, incorrect or illegible. <u>1/</u>

1/ In addition to examining the wrap on a five stick package, examine one wrapped stick from the package.

2/ Measuring device shall be calibrated in 1/16 inch increments.

TABLE III.- Examination of intermediate carton or box

Category		Defect
<u>Major</u>	<u>Minor</u>	
101		Style of box or carton not as specified.
102		Not closed or not securely closed. <u>1/</u>
	201	Tear or hole.
	202	Not clean.
	203	Label information missing, incorrect or illegible.
	204	Number of 2-tablet or 5-stick packages less than required.

1/ Hold carton or box up-side down, if closure opens, score a defect.

TABLE IV.- Examination of net weight 1/

<u>Category</u>	<u>Defect</u>
<u>Minor</u>	
201	Stick less than 2.9 grams.
202	Tablet less than 1.4 gram.

1/ The weighing device shall be calibrated in 0.1 gram increments.

TABLE V.- Examination of product (except texture and palatability) 1/

<u>Category</u>		<u>Defect</u>
<u>Major</u>	<u>Minor</u>	<u>Type I</u>
101	201	Coating pitted or cracked. Coating does not completely cover centers.
		<u>Type II</u>
102	202	Brittle or hard. Dimensions not as specified. 2/

1/ Presence of foreign material (e.g., filth, dirt, wood, metal, insects, paint, glass, etc.) shall be cause for rejection of the lot.

2/ Measuring device shall be calibrated in increments of 1/32 inch.

4.3.3.1 Examination for palatability and texture.- One tablet of type I product or 1 stick of type II product of each flavor per lot shall be examined for palatability and texture. Bid samples shall be used in conjunction with type I product. One or more of the following defects shall be cause for rejection of the involved quantity of finished product: For type I product not equal to or better than the bid sample in palatability (based on initial flavor and residual flavor after chewing for 20 minutes); or having a sticky, grainy, flabby or stringy texture; for type II product absence of an immediate characteristic flavor and a residual flavor after chewing for 20 minutes; or having a sticky, grainy, flabby or stringy texture.

4.3.3.2 Examination of waterproof case liners.- The filled and closed waterproof case liners shall be examined in accordance with the quality assurance provisions in the appendix of MIL-L-10547.

4.3.3.3 Examination of shipping containers.- The filled and closed shipping containers shall be examined in accordance with the appendix of PPP-B-636. In addition the following defects shall be included in the examination, Major - Markings, missing, incorrect or illegible; Minor - Total net weight (type II product) as indicated by marking, exceeds allowable maximum; Minor - Number of intermediate boxes or cartons not as marked; Minor - Not a snug fitting, shipping container; Major - Protective pad and tape, when required, missing, not as specified or not completely covering metal stitches. For level C pack as specified in 5.2.3.1, only the aforementioned defects pertinent to marking, maximum net weight and number of intermediate containers shall apply.

4.3.3.4 Examination of unit loads.- Unit loads shall be examined in accordance with the quality assurance provisions of MIL-L-35078.

4.3.4 Testing of finished product.- The finished product shall be tested for weight of water insoluble base in accordance with 4.4.1. The sample unit for testing shall be 1-stick or 2-tablets from a package. The sample size shall be (5) five. Lot size shall be expressed in terms of 2-tablets or 5-stick packages. Results shall be reported to nearest 0.01 gram. Lot shall be rejected if one or more sample units do not conform to requirements.

4.3.4.1 When a panel is required to evaluate the palatability of type I product, the examination for palatability (see 4.3.3.1) shall not be applicable and the product shall be judged satisfactory or unsatisfactory for palatability in accordance with 4.4.2.4. The evaluation shall be made by the Government and the sample size of delivery product shall be a representative 100 two-tablet package from each lot.

4.4 Test methods.- Examination and test procedures which differ from those specified herein, unless otherwise excepted, may be used by the supplier if they provide a quality assurance equivalent to that specified. If the Government contracting officer determines that such procedures and controls do not provide, as a minimum such quality assurance, the supplier will use the procedures set forth herein. In case of dispute as to examination or test results, the procedures specified herein will govern.

4.4.1 Water-insoluble base determination (no alternate test permitted).- The percentage of water-insoluble chewing-gum base shall be determined as follows:

Weigh the gum to be tested (2 tablets, or 1 stick).

Chew the gum vigorously for 1/2 hour; then spread it as evenly and thinly, as possible on a previously dried and tared glass or metal plate approximately 2 by 2 inches. Dry at 100° C. in a vacuum oven having a pressure of not more than 100 mm of mercury for at least 2 hours, or in an air oven for at least 4 but not more than 5 hours. Cool in a desiccator and weigh.

$$\frac{\text{Wt. of dried residue}}{2^*} = \frac{\text{wt. of water-insoluble gum base in one candy-coated tablet or stick}}{1}$$

* Use "1" as denominator when stick is tested.

4.4.2 Palatability.— Tests for palatability, as required, shall be performed in accordance with 4.4.2.1 through 4.4.2.4, as applicable. Each flavor shall be considered a separate product.

4.4.2.1 Procedure.— Samples shall be served to a consumer type panel. The panel members shall rate each sample on a 9-point hedonic scale (see table below), graduated in successive degrees of like and dislike. The samples shall be presented successively with a minimum interval of 30 seconds between samples, in controlled orders, so that each sample is served an equal number of times in each temporal position. Each subject shall rate from 2 to 6 samples at a test session. Panelist evaluating peppermint or spearmint flavored gum shall be limited to not more than two samples per session, but all subjects shall rate the same number of samples in a given session. The subjects shall test without interference from each other or from outsiders.

1	2	3	4	5	6	7	8	9
Dislike extremely	Dislike very much	Dislike moderately	Dislike slightly	Neither like nor dislike	Like slightly	Like moderately	Like very much	Like extremely

Note: For further details, see Hedonic Scale Method of Measuring Food Preferences, reprinted from Food Technology, 1957, Vol XI, No. 9 Supplement pages 9-14.

4.4.2.2 Selection of reference standards.- Samples complying with the requirements of this specification will be tested at the same sessions by a consumer panel yielding not less than 40 rating per sample. Tests will be conducted according to 4.4.2.1. Samples which are acceptable and can be used for reference standard, shall be those samples that are not significantly different from the highest ranking at the 5-percent level of significance. Reference samples shall be stored in closed containers and held at a temperature of approximately 40°F. The reference standards for any given test session shall be selected randomly from among the available reference standards.

4.4.2.3 Bid sample approval.- Bid samples shall be tested along with reference standards as prescribed in 4.4.2.1. A minimum of 24 responses shall be obtained for each preaward sample. One or more reference standard shall be served in each preaward session. Any preaward sample which has a mean rating significantly lower, at the 5-percent level of significance, than that of the reference sample shall be rejected. Approved samples shall be held in closed containers at approximately 40°F. to serve as reference standards for testing of deliveries as specified in 4.4.2.4.

4.4.2.4 Delivery sample.- When specified (see 6.1), delivery samples shall be tested as specified in 4.4.2.1, with the bid sample of the same supplier serving as a reference standard (see 4.4.2.3). A minimum of 20 ratings shall be obtained for the reference sample and for each delivery sample. Any delivery sample which has a mean rating significantly lower, at the 5-percent level of significance, than that of the reference sample, shall be rejected.

4.4.3 Basis weight of paper.- Basis weight of paper shall be determined in accordance with method 5022 of FED-STD-101.

4.4.4 Paraffin in paper.- Paraffin in paper shall be determined in accordance with method 6018 of FED-STD-101.

5. PREPARATION FOR DELIVERY

5.1 Packaging.- Type I gum shall be packaged in accordance with level A. Type II gum shall be packaged in accordance with level A or C as specified (see 6.1).

5.1.1 Level A.- Gum shall be packaged in accordance with 5.1.1.1 or 5.1.1.2, as applicable.

5.1.1.1 Type I (tablets).- Two tablets shall be packaged together in a wrapper made from cellophane, glassine-tissue, waxed paper, or foil laminated sheet in accordance with table VI. Excessively loose wraps shall not be acceptable. Alternatively, two (2) tablets may be packaged in a paperboard, folding,

glued end carton, having dimensions of not more than 1-1/2 inch by 3/4 inch by 1/4 inch.

TABLE VI.- Minimum wrapper requirements for 2-tablet packages, single stick, and 5-stick pack

Material	Thickness (inch)	Type	Basis weight Pounds per ream (24 by 36 - 500)
Cellophane	0.0009 to 0.0010	Type V, class 2 of specification L-C-110	
Glassine-tissue:			
Glassine			18
Tissue			8
Laminant		Permanently plastic	5
Waxed paper:			
Paper			20
Wax			6 (overall)
Foiled-waxed tissue:			
Foil	0.0003		12
Tissue		Sulfite or glassine	3 (dry)
Wax			

5.1.1.1.1 Intermediate carton or box, 50, 100, 200, or 250 two-tablet packages.- Fifty, 100, 200, or 250 two tablet packages shall be random-packed in a snug-fitting commercial setup box or folding carton, and the carton or box shall be securely closed so that the contents will not spill.

5.1.1.2 Type II (sticks).- Each stick shall be snugly wrapped with a sheet of waxed paper or foil-waxed tissue complying with table VI. The wrapped stick shall be overwrapped with a snug-fitting paper sleeve made from a sheet of bleached kraft or sulfite paper with a basis weight of 40 pounds per ream \pm 5% (24 by 36 - 500).

5.1.1.2.1 Five stick pack.- Five sticks of gum, packaged as specified in 5.1.1.2, shall be overwrapped in a wrapper made from 0.0003-inch thick aluminum foil, laminated to bleached kraft or sulfite paper having a basis weight of 25 pounds per ream \pm 5% (24 by 36 - 500) laminated to 0.0009-inch thick cellophane.

5.1.1.2.2 Intermediate package.- Twenty 5-stick packs, packaged as specified in 5.1.1.2.1, shall be packed in an intermediate container as specified in 5.1.1.1.1.

5.1.2 Level C.- Type II gum shall be packaged in a manner to protect it from deterioration or damage during shipment from the supply source to the first receiving activity. The supplier may use his standard practice when it meets these requirements.

5.2 Packing.- Type I gum shall be packed in a snug-fitting shipping container in accordance with 5.2.3.1. Not more than 50 pounds of type II gum shall be packed in a snug-fitting shipping container in accordance with level A, B, or C, as specified (see 6.1).

5.2.1 Level A.- The shipping container shall be a fiberboard box, constructed, closed and reinforced in accordance with style RSC, V2s, of PPP-B-636. The gum shall be inclosed in a waterproof case liner, fabricated and closed in accordance with MIL-L-10547 for subsistence items. If the bottom flaps of the container are closed by stitching, the case liner shall be protected by a chipboard pad placed between the case liner and the stitches. The case liner shall be protected from stitches in the manufacturers joint by covering the stitches with a strip of pressure-sensitive tape.

5.2.2 Level B.- The shipping container shall be a fiberboard box constructed, closed and reinforced in accordance with style RSC, V3c, V3s, or V4s, of PPP-B-636. The shipping container shall be provided with a waterproof case liner as specified in 5.2.1.

5.2.2.1 When specified (see 6.1 and 6.3) the shipping container specified in 5.2.2 shall be reinforced with nonmetallic strapping or pressure-sensitive adhesive, filament-reinforced tape in accordance with the appendix of PPP-B-636, except that two reinforcing bands may be used, one lengthwise and one girthwise.

5.2.3 Level C.- The shipping container shall be a fiberboard box, constructed and closed in accordance with style RSC, type CF or SF, class domestic, method II closure, of PPP-B-636.

5.2.3.1 When specified (see 6.1 and 6.4) the shipping container shall be in accordance with Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

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5.3 Unit loads.-- When specified (see 6.1), the gum, packed as specified in 5.2, shall be arranged in unit loads in accordance with MIL-L-35078 for the type and class of load specified.

5.4 Labeling and marking.--

5.4.1 Packages.-- Packages shall be labeled in accordance with the Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder.

5.4.2 Shipping containers.-- Shipping containers shall be marked in accordance with MIL-STD-129.

5.4.3 Unit loads.-- Unit loads shall be marked in accordance with MIL-L-35078.

6. NOTES

6.1 Ordering data.-- Procurement documents should specify the following:

- (a) Title, number and date of this specification.
- (b) Type and flavor of product required (see 1.2).
- (c) When delivery samples are to be tested (see 4.4.2.4).
- (d) Applicable level of packaging and packing (see 5.1 and 5.2).
- (e) Type and class of unit load when unit loading is specified (see 5.3).
- (f) When packing specified in 5.2.2.1 is required (see 6.3).
- (g) When packing specified in 5.2.3.1 is required (see 6.4).

6.2 Based on the conditions known or expected to be encountered during shipment, handling, and storage of the specific item being procured, the contracting officer should select the appropriate level of pack in accordance with the criteria established in AR 700-15, NAVSUP PUB 470, AF-71-6, MCO 4030.14D and DSAR 4145.7.

6.3 Packing specified in 5.2.2.1 is intended for transfer at sea operations or specific overseas operations.

6.4 Packing specified in 5.2.3.1 is intended for direct shipment from the supplier to the first receiving activity for immediate use within CONUS or direct shipment to the ration assembler.

6.5 Asterisks are not used in this revision to identify changes with respect to the previous issue, due to the extensiveness of the changes.

Custodians:

Army - GL
Navy - SA
Air Force - 45

Preparing activity:

Army - GL
Project No. 8925-0084

Review activities:

Army - MD
Navy - MC, MS
DP - SS

SPECIFICATION ANALYSIS SHEET

Form Approved
Budget Bureau No. 22-R255

INSTRUCTIONS: 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. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements.

SPECIFICATION
Chewing Gum MIL-C-10022D

ORGANIZATION

CITY AND STATE **CONTRACT NUMBER**

MATERIAL PROCURED UNDER A
 DIRECT GOVERNMENT CONTRACT 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?
 YES 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 - Optional) **DATE**