INCH-POUND

MIL-DTL-24671C(SH)
18 March 2002
SUPERSEDING
MIL-C-24671B(SH)
31 July 1995

MILITARY SPECIFICATION

CLOTH, LINT-FREE, FLUSHING AND CLEANING

This specification is approved for use by the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers lint-free flushing and cleaning cloths with and without lanyards.

1.2 Classification. The cloth shall be of the following types, grades, and classes, as specified (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: Commander, Naval Sea Systems Command, ATTN: 05Q, 1333 Isaac Hull Avenue, Stop 5160, Washington Navy Yard, DC 20376-5160 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A F. S. C. 8305

DISTRIBUTION STATEMENT A Approved for public release; distribution unlimited.

Types.

Type I - No lanyard attached
Type II - Lanyard attached

Grades.

Grade 1 - Primarily intended for wiping inspection or flushing filter use. May also be used for cleaning.
Grade 2 - For cleaning only.

Classes.

Class A - 20 by 20 inches
plus or minus 1 inch in each dimension

Class B - 20 by 30 inches
plus or minus 1 inch in each dimension

Class C - other, as specified (see 6.2)

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards 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.

SPECIFICATIONS

FEDERAL
MIL-PRF-680 - Dry Cleaning and Degreasing Solvent.

MILITARY
MIL-D-16791 - Detergents, General Purpose (Liquid, Nonionic).

STANDARDS

FEDERAL
FED-STD-191 - Textile Test Methods.

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

(Unless otherwise indicated, copies of federal and military specifications, standards, and handbooks are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5894.)

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 the documents not listed in the DODISS are the issues of the documents cited in the solicitation.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 1424 - Standard Test Method for Tear Resistance of Woven Fabrics by Falling-Pendulum (Elmendorf) Apparatus. (DoD adopted)

(Application for copies should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428.)

(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 Material. The fabric shall be cotton.

3.1.1 Yarn. The fabric yarn shall have been cleaned, carded, drawn, and spun into single yarns for both the warp and the filling.

3.1.2 Color. The fabric color shall be bleached white.

3.1.3 Physical requirements. The fabric shall conform to the requirements in table I when tested as specified (see 4.2).

3.1.4 Weave. For grade 1 cloth, the fabric weave shall be plain weave. For grade 2 cloth, the fabric weave shall be either plain or twill weave.

3.1.5 Lint and foreign material.

3.1.5.1 Grade 1. The cloth shall be free from loose thread, ravelings, lint and fluff from cloth or yarn or particles of a size visible to the unaided eye. The cloth shall also be free of any visible foreign particulate matter, dirt or grease either embedded in the cloth or adhering thereto.

3.1.5.2 Grade 2. The cloth shall be free from loose thread, ravelings, lint and fluff from cloth or yarn or loose particles of a size visible to the unaided eye. Each cloth may contain no more than five specks or stains of no visible thickness, and no speck or stain may exceed 1/16 inch in any dimension. Non-white threads woven into the fabric are acceptable.

3.1.6 Finish. The fabric shall be free of sizing and be bleached white.

TABLE I. Physical requirements.

Characteristics	Requirements (same for grade 1 and grade 2 unless otherwise indicated)	
	Minimum	Maximum
Weight, ounces per square yard	2.8	---
Yarns, per inch		
Grade 1 or 2, plain weave		
Warp	70	100 1/
Filling	70	100 1/
Grade 2, twill weave		
Warp	100	130
Filling	50	80
Breaking strength, pounds		
Warp	45	---
Filling	30	---
Tearing strength, grams (newtons)		
Dry		
Warp	880 (8.6)	---
Filling	480 (4.7)	---
Wet-water		
Warp	1040 (10.2)	---
Filling	720 (7.1)	---

1/ For Grade 1 cloth, the aggregate yarn count in both the warp and fill directions shall be not less than 150 yarns per square inch in addition to meeting the minimum yarns per inch specified.

3.1.7 Solvent compatibility. The fabric shall not discolor or show visible degradation when immersed in each of the following solvents for a period of 60 minutes at ambient temperature:

(a) Acetone
(b) Isopropyl alcohol
(c) Trichloroethylene
(d) Dry cleaning solvent (stoddard solvent) in accordance with MIL-PRF-680
(e) Nonionic detergent in accordance with MIL-D-16791 (one fluid ounce in one gallon of tap water) combined with trisodium phosphate detergent solution (approximately 23 ounces to every one gallon of total detergent solution)

3.1.8 pH. The pH value of the water extract of the fabric shall be no less than 6.0 and no more than 8.0 when tested as specified (see 4.2).

3.1.9 Nonfibrous materials. The fabric shall not exceed 2.0 percent starch and protein content including chloroform-soluble and water-soluble material when tested as specified (see 4.2).

3.1.10 Absorbency. The fabric shall be considered absorbent when water and oil are absorbed into the fabric within 30 seconds, when tested as specified (see 4.4).

3.1.11 Leachable chemicals. The cloth shall contain no more than 250 parts per million (ppm) (micrograms per gram) of water leachable sulfur or 250 ppm (micrograms per gram) each of water leachable halides (fluoride, chloride, and bromide), when tested as specified (see 4.2).

3.1.12 Mercury. The fabric used to manufacture lint-free cloths shall not contain mercury and shall not be contaminated by mercury or mercury compounds during manufacturing of cloths.

3.2 Design and construction.

3.2.1 Dimensions. Unless otherwise specified (see 6.2), the cloth dimensions shall be Class A or B.

3.2.2 Edge stitching. The outer periphery of the cloth shall be hem stitched with a three-thread tight needle thread overseam of 18 $\pm$ 1 stitches per inch. The thread shall be of polyester or hard finished cotton. Hem stitches shall be ended in such a manner so as to preclude the possibility of threads unraveling at these areas on the cloth. Any hanging threads shall be trimmed to a length of 1/16 inch or less. Grade 1 cloths shall use white thread for edge stitching. Grade 2 cloths shall use dark blue thread for edge stitching.

3.2.3 Requirements for lanyard (type II design). The lanyard shall be made from 3/16 inch clean white braided nylon cord. The nylon lanyard shall have the ends melted to prevent fraying. All loose globules or residues resulting from the melting process shall be removed by wiping the ends off with a cloth while still hot. The lanyard length shall be no less than 32 inches and no more than 36 inches including a minimum of three inches stitched to the cloth as shown in figure 1. The lanyard shall be knotted as shown in figures 1 and 2. The overhand knot shall be tied snug up to the modified fisherman's knot. The length between the overhand knot and the melted end of the lanyard shall measure 2 ± ½ inches.

3.2.3.1 Lanyard stitching. Stitch the lanyard and cloth together by using polyester thread. The stitching shall consist of one row of straight line lock stitching down the center of the lanyard (minimum of six stitches per linear inch). A minimum of three inches of lanyard shall be stitched to the lint-free cloth. The cloth shall be wrapped around the lanyard one and one-half turns as shown in figure 1.

3.3 Workmanship. The final prepared cloth shall have no tears or holes and no visible hanging threads of a length greater than or equal to 1/16 inch from cloth edges or loose stitching on cloth edges and lanyards. There shall be no sign of unraveling of thread on edge or lanyard stitching.

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 inspections 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 the 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 Certification of Quality Conformance. A certification of quality conformance shall be furnished with each lot of cloths offered for acceptance. Figure 3 identifies the data which must be provided. The certification shall include actual data for quantitative attributes specified in

tables II.a and II.b. The certification may be in the form shown in Figure 3, or a supplier's form with the same information.

4.2 Test methods. Test methods shall be in accordance with table II. More than one cloth may be tested if needed to provide sufficient samples for all required tests. Test and inspection results shall meet the requirements of section 3.

4.3 Quality conformance inspection.

4.3.1 Fabric. Fabric from which the cloths are made shall be inspected and tested (once per lot) for all attributes specified in table II.a. An inspection lot is all fabric of the same grade produced in the same production run. The fabric shall be tested using the applicable test methods in table II.a and shall meet the applicable requirements in section 3. All non-conforming fabric shall be rejected. Test results shall be retained for review by the command or agency concerned upon request.

4.3.2 Cloth. Samples of individual finished cloth shall be selected at random from all the finished cloths in a lot. Samples shall be tested for the attributes in table II.b and shall meet the applicable requirements of section 3. The required number of samples and criteria for lot acceptance are listed in 4.3.2.2.

4.3.2.1 Inspection lot. An inspection lot shall consist of cloths of the same type, grade, and class produced from the same supply of fabric and produced in the same production run. The lot size is the total number of individual cloths in the lot.

4.3.2.2 Sampling plan. Testing for water leachable elements is required to be performed on only one finished cloth per lot, regardless of lot size. If the sample fails, the lot shall be rejected. For other attributes in table II.b, the following sampling requirements apply:

Cloths per lot	Sample size	Maximum permitted defective
Less than 1200	5	0
1200 - 35,000	8	1*
Greater than 35,000	13	1*

*0 for lint and foreign material (3.1.5) and workmanship (3.3)

TABLE II.a. Quality conformance inspection for fabric.

Examination or test	Requirement paragraph	Test method
Color	3.1.2	Visual 1/
Weave	3.1.4	Visual 1/
Finish	3.1.6	Visual 1/
Solvent compatibility	3.1.7	Visual 1/
Identification of cotton	3.1	1200/FED-STD-191
Weight	3.1.3	5041/FED-STD-191
Yarns per inch		
Warp	3.1.3	5050/FED-STD-191
Filling	3.1.3	5050/FED-STD-191
Aggregate (grade 1 only)	Table I, Note 1/	5050/FED-STD-191
Breaking strength		
Warp	3.1.3	5100/FED-STD-191
Filling	3.1.3	5100/FED-STD-191
Tearing strength		
Dry		
Warp	3.1.3	ASTM D 1424
Filling	3.1.3	ASTM D 1424
Wet (water)		
Warp	3.1.3	ASTM D 1424
Filling	3.1.3	ASTM D 1424
pH	3.1.8	2811/FED-STD-191
Nonfibrous materials	3.1.9	2611/FED-STD-191
Absorbency	3.1.10	Paragraph 4.4
Water leachable elements	3.1.11	Appendix A
Fluoride		
Chloride		
Bromide		
Sulfur		

TABLE II.b. Quality conformance inspection for cloth.

Examination or test	Requirement paragraph	Test method
Lint and foreign material	3.1.5	Visual [1/]
Dimensions	3.2.1	Visual [1/]
Edge stitching	3.2.2	Visual [1/]
Lanyard stitching (Type II cloths only)	3.2.3	Visual [1/]
Workmanship	3.3	Visual [1/]
Water leachable elements	3.1.11	Appendix A
Fluoride		
Chloride		
Bromide		
Sulfur		
[1/] Visual inspection shall be performed by a person with normal visual acuity, natural or corrected, without magnification, at a normal reading distance. The lighting of inspection areas shall provide at least 50 foot candles on surfaces being inspected. Each cloth to be inspected shall be individually placed on a flat surface which is free of foreign material.		

4.3.3 Noncompliance. If a sample fails to pass inspection, the manufacturer shall notify the purchasing activity's contracting officer of such failure and take corrective action on the materials or processes, or both, as warranted, and on all units of product which can be corrected and which are manufactured under essentially the same materials and processes, and which are considered subject to the same failure. Acceptance and shipment of the product shall be discontinued until corrective action, acceptable to the purchasing activity's contracting officer, has been taken. After the corrective action has been taken, inspection shall be repeated on additional sample units (all tests and examinations, or the test which the original sample failed, at the option of the purchasing activity's contracting officer). Inspections may be reinstituted; however, final acceptance and shipment shall be withheld until the inspection has shown that the corrective action was successful. In the event of failure after reinspection, information concerning the failure shall be furnished to the purchasing activity's contracting officer.

4.4 Test for absorbency. The samples of fabric for absorbency shall be spread out on a non-absorbent surface. Drops measuring at least 0.04 milliliter in volume of water and light machine oil shall be applied separately to each sample through a capillary by allowing the drops to fall continuously and freely onto the sample from a height of ½ to 2 inches. After a time interval of 30 seconds, the samples shall be examined and the absorption and non-absorption of the water and oil reported. The sample is considered non-absorbent, and therefore shall be rejected, if the water or oil is not absorbed but remains wholly or partly above the surface of the fabric or the supporting surface.

5. PACKAGING

5.1 Preservation. Cloths shall be packaged in heat sealed green polyethylene bags in quantities of 100 of the same type, grade, and class. Polyethylene bags shall be free of holes or tears and heat seals shall be tightly adherent to prevent tearing in this area. Cloths shall be flat or folded.

5.2 Packing. Unless additional requirements are specified by the purchaser, material shall be prepared for shipment in accordance with commercial practice to ensure delivery of product in full compliance with this specification.

5.3 Marking. Shipments shall be marked in accordance with MIL-STD-129. Each bag shall be labeled or permanently marked with type, grade, and class of cloth, contract number, and National Stock Number (if applicable).

6. NOTES

6.1 Intended use. The cloth shall be used for components requiring high levels of cleanliness. Grade 1 cloths shall be used for flushing filter or wiping cloth cleanliness inspection. Grade 2 cloths shall be used for cleaning only. Grade 1 cloths may also be used for cleaning.

6.2 Acquisition requirements. Acquisition documents must specify the following:

(a) Title, number, and date of this specification.
(b) Type, grade, and class of cloth (see 1.2).
(c) Dimensions of Class C cloth (see 3.2.1).

6.3 Definitions.

6.3.1 Fabric. Material supplied in bolts by the manufacturer, or pieces thereof.

6.3.2 Cloth. Hemmed fabric which meets the classification requirements of 1.2.

6.4 Changes from previous issue. The margins of this specification are marked with vertical lines 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 last previous issue.

Preparing activity:
Navy - SH
Project 8305-0815

APPENDIX A

WATER LEACHING TEST METHODS

10. SCOPE. This appendix specifies test methods to detect water leachable halides (i.e., chlorides, fluorides, and bromides) and sulfur.

20. APPLICABLE DOCUMENTS.

20.1 Non-Government publications. The following documents form a part of this standard to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted shall be those listed in the issue of the DoDISS cited in the solicitation. The issue of documents not listed in the DoDISS shall be the issues cited in the solicitation.

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 512 - Chloride Ion in Water and Waste Water, Test for
D 516 - Sulfate Ion in Water, Standard Test Methods for (DOD adopted)
D 1179 - Fluoride Ion in Water, Standard Test Methods for (DOD adopted)
D 1246 - Iodide and Bromide in Water, Standard Test Methods for (DOD adopted)
D 4327 - Anions in Water by Ion Chromatography, Test Method for

(Application for copies should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428.)

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

30. WATER LEACHING TESTS.

30.1 Test Procedure. The water leaching test shall be performed as follows:

a. Cut one specimen from the selected sample, weighing approximately 15 grams, and record its exact weight to 0.1 gram. The sample weight may be adjusted provided the ratio of sample weight to final volume of solution is maintained (i.e. 15 g/500 ml).
b. Cut the specimen into small pieces not greater than 1/4 inch in any dimension.
c. Place the specimen in an 800 milliliter (ml) or larger beaker.
d. Add approximately 400 ml of distilled water per 15 grams of sample weight to the beaker.
e. Cover the beaker with a watch glass and heat for one hour minimum at 200-212°F.
f. Allow the beaker to cool to room temperature.

g. Vacuum filter the leachate from the beaker separately through a prewashed filter (No. 41 Whatman or equivalent coarse porosity filter) and a Buchner funnel. Wash the beaker thoroughly with distilled water using ten or more washes and vacuum filter the wash solutions. Dilute the filtrate to 500 ml, or the appropriate volume to maintain a 15 g/500 ml ratio.
h. If necessary, store the filtrate in a cleaned polyethylene or glass container covered to prevent evaporation.
i. Prepare a control filtrate with no specimen following the instructions in d through h.

30.2 Determination of leachable halide ion concentration. Using aliquots from the control filtrate and the sample filtrate, the concentration of bromide, chloride, and fluoride ions in each filtrate shall be determined by an appropriate method of ASTM D 1246, ASTM D 512, and ASTM D 1179, respectively. The concentration of water-leachable halide in the material shall be determined as follows:

Bromide, Chloride, or Fluoride, micrograms/g (ppm) = C X Vs/M

Where:

C = concentration of bromide, chloride, or fluoride in filtrate, in milligrams per liter, and

Vs = final volume of solution in milliliters per 30.1.g

M = grams of the test specimen, prepared per 30.1.a

30.2.1 Acceptance criteria. If the concentrations of leached halide ions in the specimen exceeds the limits specified in section 3, the lot shall be rejected.

30.3 Determination of leachable sulfur concentration. Using aliquots from the control filtrate and the sample filtrate in 30.1.g, determine the concentration of sulfur as follows:

a. Place 25 ml of the filtrate in a 50 ml or larger clean beaker properly identified.
b. Add distilled water saturated with bromine drop by drop while stirring until a red-brown color persists. Then cover the beaker with a watch glass.
c. Heat the solution in the covered beaker on a hot plate until the bromine color disappears.
d. Allow the solution to cool to room temperature.
e. Transfer the solution to a volumetric flask and add distilled water rinses from the beaker to make up a final volume that is consistent with the sulfate test method. Determine the sulfate ion concentration of this final diluted volume using an appropriate method of ASTM D 516.
f. Use the following formula to obtain the water-leachable sulfur concentration of the filtrate:

Sulfur, micrograms/g (ppm) = C x Vs x V x 0.334/(25.0 x M)

Where:

C = concentration of sulfate ion (SO4=) in filtrate, in milligrams per liter (micrograms per milliliter), determined in step e.

Vs = final volume of solution in milliliters per 30.1.g

V = milliliters of final diluted volume, and

M = grams of the test specimen, prepared per 30.1.a

30.3.1 Acceptance criteria. If the concentration of leached sulfur and sulfur compounds in the specimen exceeds the limit specified in section 3, the lot shall be rejected.

30.4 Acceptable alternate test methods. Ion chromatography analysis in accordance with ASTM D 4327 and inductively coupled plasma (ICP) analysis are acceptable alternates for the ASTM leachate analyses specified herein. In addition, other alternate analyses may be used when approved by NAVSEA or its authorized representative.

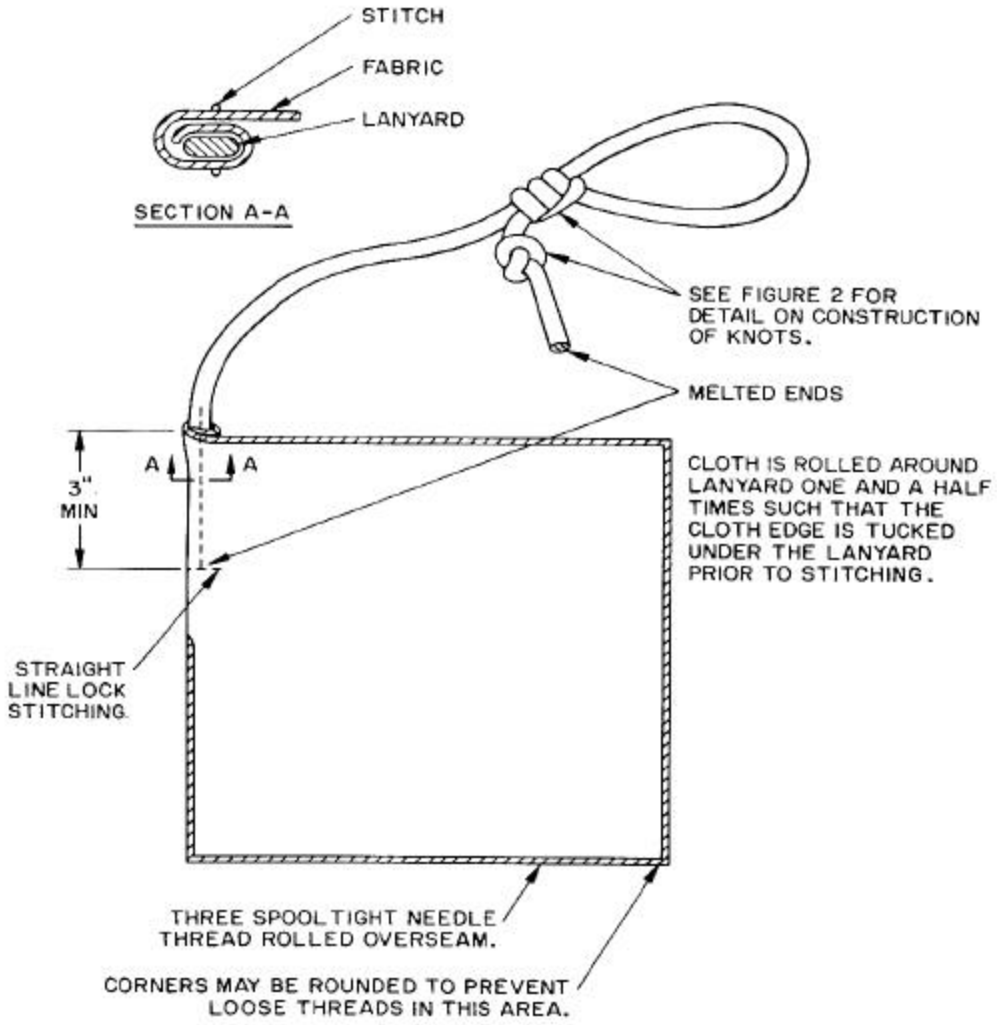

FIGURE 1. Example of cloth with lanyard attached.

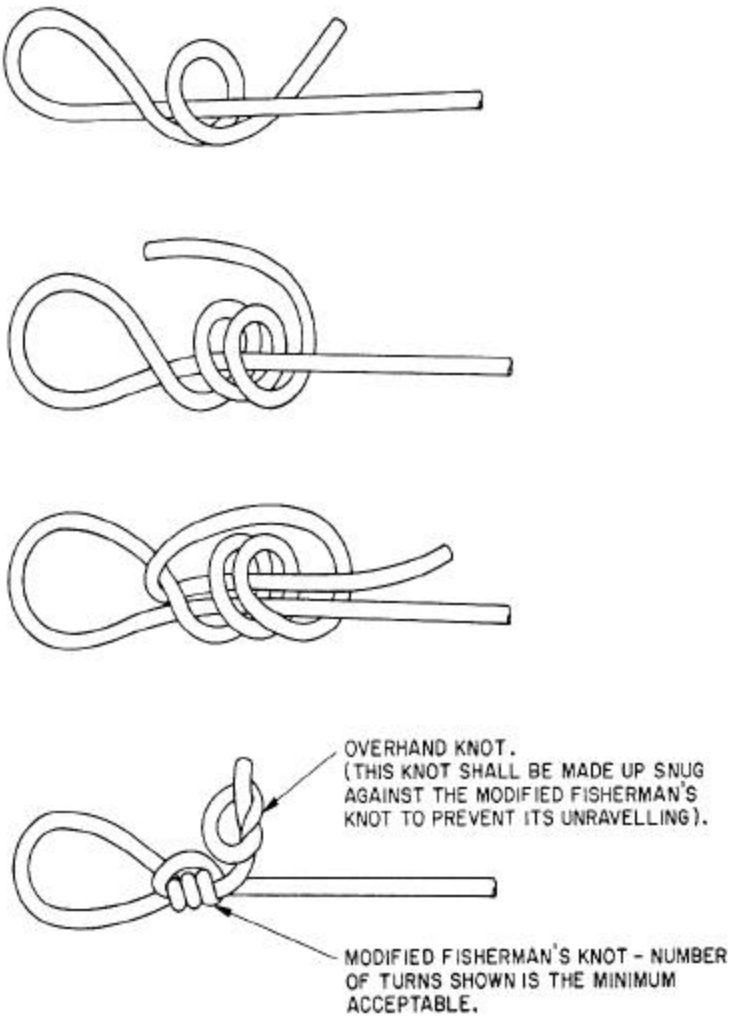

FIGURE 2. Detail of knot for type II cloth.

CERTIFICATION OF QUALITY CONFORMANCE

Manufacturer or Supplier _____ Phone number _____

Address _____

Date _____ Customer _____ Contract number _____

Quantity _____ Type _____ Grade _____ Class _____ Lot number _____

PART I - CERTIFICATION FOR FABRIC

Color (bleached white) _____ 1/ Weave _____ (plain or twill) Finish _____ 1/

Solvent compatibility:

Acetone _____ 1/
Isopropyl alcohol _____ 1/
Trichloroethylene _____ 1/
Dry cleaning solvent _____ 1/
Nonionic detergent _____ 1/

Identification of cotton _____ 1/

Weight, ounces per square yard _____ (2.8 min.)

Yarns per inch:

Plain weave: Warp _____ (70 - 100) Filling _____ (70 - 100)
Twill weave (Grade 2 only): Warp _____ (100 -130) Filling _____ (50 - 80)
Aggregate yarns per square inch (Grade 1 only): _____ (150 min.)

Breaking strength, pounds: Warp _____ (45 min.) Filling _____ (30 min.)

Dry tearing strength, grams: Warp _____ (880 min.) Filling _____ (480 min.)

Wet tearing strength, grams: Warp _____ (1040 min.) Filling _____ (720 min.)

pH _____ (6.0 - 8.0)

Nonfibrous materials _____ (2.0 percent max.)

NOTE 1/: State “pass” or “fail”

FIGURE 3. Sample of Certification of Quality Conformance

Absorbency_____ 1/

Water leachable elements, parts per million (micrograms per gram):

Fluoride _____ (250 max.)

Chloride _____ (250 max.)

Bromide _____ (250 max.)

Sulfur _____ (250 max.)

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PART II - CERTIFICATION FOR CLOTH

Lint and foreign material _____ 1/

Dimensions _____ 1/

Edge stitching _____ 1/

Lanyard stitching (Type II only) _____ 1/

Workmanship _____ 1/

Water leachable elements, parts per million (micrograms per gram):

Fluoride _____ (250 max.)

Chloride _____ (250 max.)

Bromide _____ (250 max.)

Sulfur _____ (250 max.)

_____

NOTE 1/: State “pass” or “fail”

I hereby certify that the above material has been inspected and tested in accordance with the order requirements and is in conformance with all requirements.

_____

Signature of supplier’s representative

FIGURE 3. Sample of Certification of Quality Conformance (continued)

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of 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.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER MIL-DTL-24671C (SH)	2. DOCUMENT DATE (YYMMDD) 02/03/18

3. DOCUMENT TITLE
CLOTH, LINT-FREE, FLUSHING AND CLEANING

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*	b. ORGANIZATION	
c. ADDRESS *(Include Zip Code)*	d. TELEPHONE *(Include Area Code)* (1) Commercial (2) AUTOVON *(if applicable)*	7. DATE SUBMITTED

8. PREPARING ACTIVITY

NAME Commander, Naval Sea Systems Command	
ADDRESS *(Include Zip Code)* ATTN: 05Q, 1333 Isaac Hull Ave., Stop 5160 Washington Navy Yard, DC 20376-5160	**IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:** NAVSEA 05Q Telephone: (202) 781-3731

DD Form 1426, OCT 89 Previous editions are obsolete