



Government
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Canadian General
Standards Board

Office des normes
générales du Canada

Series 2
Série des 2

WITHDRAWAL

February 2012

Selected standards in the series Soaps and detergents

These National Standards of Canada are hereby withdrawn due to limited use and support for their revision.

The Standards Council of Canada requires that accredited Standards Development Organizations, such as the CGSB, regularly review a consensus Standard to determine whether to re-approve, revise or withdraw. The review cycle is normally five years from the publication date of the latest edition of the Standard.

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RETRAIT

Février 2012

Sélection de normes de la série Savons et détergents

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CAN/CGSB-2.1-96

Skin Cleaning Lotion (ICS 71.100.70)

CAN/CGSB-2.5-93

Toilet Soap (ICS 71.100.70)

CAN/CGSB-2.9-97

Scouring Powder (ICS 71.100.40)

✓ **CAN/CGSB-2.11-94**

Methods of Sampling and Testing Soaps and Detergents (ICS 71.040.40)

CAN/CGSB-2.16-94

Waterless Hand Cleaner (ICS 71.100.70)

CAN/CGSB-2.19-96

Hand Dishwashing Compound (ICS 71.100.40)

CAN/CGSB-2.20-94

Machine Dishwashing Compound (ICS 71.100.40)

CAN/CGSB-2.22-97

Concentrated Dishwashing Rinse Additive (ICS 71.100.40)

CAN/CGSB-2.34-95

Guide to the Selection and Use of Soaps and Detergents (ICS 71.100.40)

seulement puisque leur contenu a été révoqué à la date du présent avis de retrait.

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CAN/CGSB-2.1-96

Lotion nettoyante pour la peau (ICS 71.100.70)

CAN/CGSB-2.5-93

Savon de toilette (ICS 71.100.70)

CAN/CGSB-2.9-97

Poudre à récurer (ICS 71.100.40)

CAN/CGSB-2.11-94

Méthodes d'échantillonnage et d'essai des savons et détergents (ICS 71.040.40)

CAN/CGSB-2.16-94

Nettoie-mains employé sans eau (ICS 71.100.70)

CAN/CGSB-2.19-96

Détergent pour lavage de la vaisselle à la main (ICS 71.100.40)

CAN/CGSB-2.20-94

Détergent pour lave-vaisselle (ICS 71.100.40)

CAN/CGSB-2.22-97

Agent de rinçage concentré pour lave-vaisselle (ICS 71.100.40)

CAN/CGSB-2.34-95

Guide pour le choix et l'utilisation des savons et détergents (ICS 71.100.40)

CAN/CGSB-2.42-97

Stain Remover for Tableware
(ICS 71.100.40)

CAN/CGSB-2.43-93

Scale-Removing Compound for Lime
Deposits (ICS 71.100.40)

CAN/CGSB-2.46-95

Toilet Bowl and Urinal Cleaning Compound
(ICS 71.100.40)

CAN/CGSB-2.47-94

Toilet Bowl Cleaning Compound (Granular
or Crystalline) (ICS 71.100.40)

CAN/CGSB-2.49-94

Alkali Drain Cleaner (ICS 71.100.40)

CAN/CGSB-2.112-92

Remover for Water-Emulsion Floor Polish
(ICS 71.100.40)

CAN/CGSB-2.141-92

General-Purpose Powder Cleaning
Compound (ICS 71.100.40)

CAN/CGSB-2.175-93

Concentrated Nonionic, Unbuilt Liquid
Detergent (ICS 71.100.40)

CAN/CGSB-2.180-94

Carpet and Upholstery Shampoo
(ICS 71.100.40)

CAN/CGSB-2.42-97

Détachant pour vaisselle (ICS 71.100.40)

CAN/CGSB-2.43-93

Décapants pour dépôts calcaires
(ICS 71.100.40)

CAN/CGSB-2.46-95

Produit de nettoyage pour cuvette de toilette
et urinoir (ICS 71.100.40)

CAN/CGSB-2.47-94

Produit de nettoyage pour cuvette de toilette
(Granules ou cristaux) (ICS 71.100.40)

CAN/CGSB-2.49-94

Produit de nettoyage alcalin pour tuyaux
d'écoulement (ICS 71.100.40)

CAN/CGSB-2.112-92

Décapant pour planchers revêtus de cire de
type émulsion aqueuse (ICS 71.100.40)

CAN/CGSB-2.141-92

Poudre de nettoyage, d'usage général
(ICS 71.100.40)

CAN/CGSB-2.175-93

Détergent liquide concentré non ionique,
sans additifs (ICS 71.100.40)

CAN/CGSB-2.180-94

Shampooing pour tapis et tissus
d'ameublement (ICS 71.100.40)



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CAN/CGSB-2.11-94
CORRIGENDUM No. 1
RECTIFICATIF N° 1

ICS 19.020

CORRIGENDUM

July 2006

Methods of Sampling and Testing Soaps and Detergents

Method 20.3

Cleaning Efficiency

Insert Figures 1 and 2 attached as new pages 7
and 9 respectively.

RECTIFICATIF

Juillet 2006

Méthodes d'échantillonnage et d'essai des savons et détergents

Méthode 20.3

Efficacité de nettoyage

Insérer les figures 1 et 2 ci-jointes sur les
nouvelles pages 7 et 9 respectivement.

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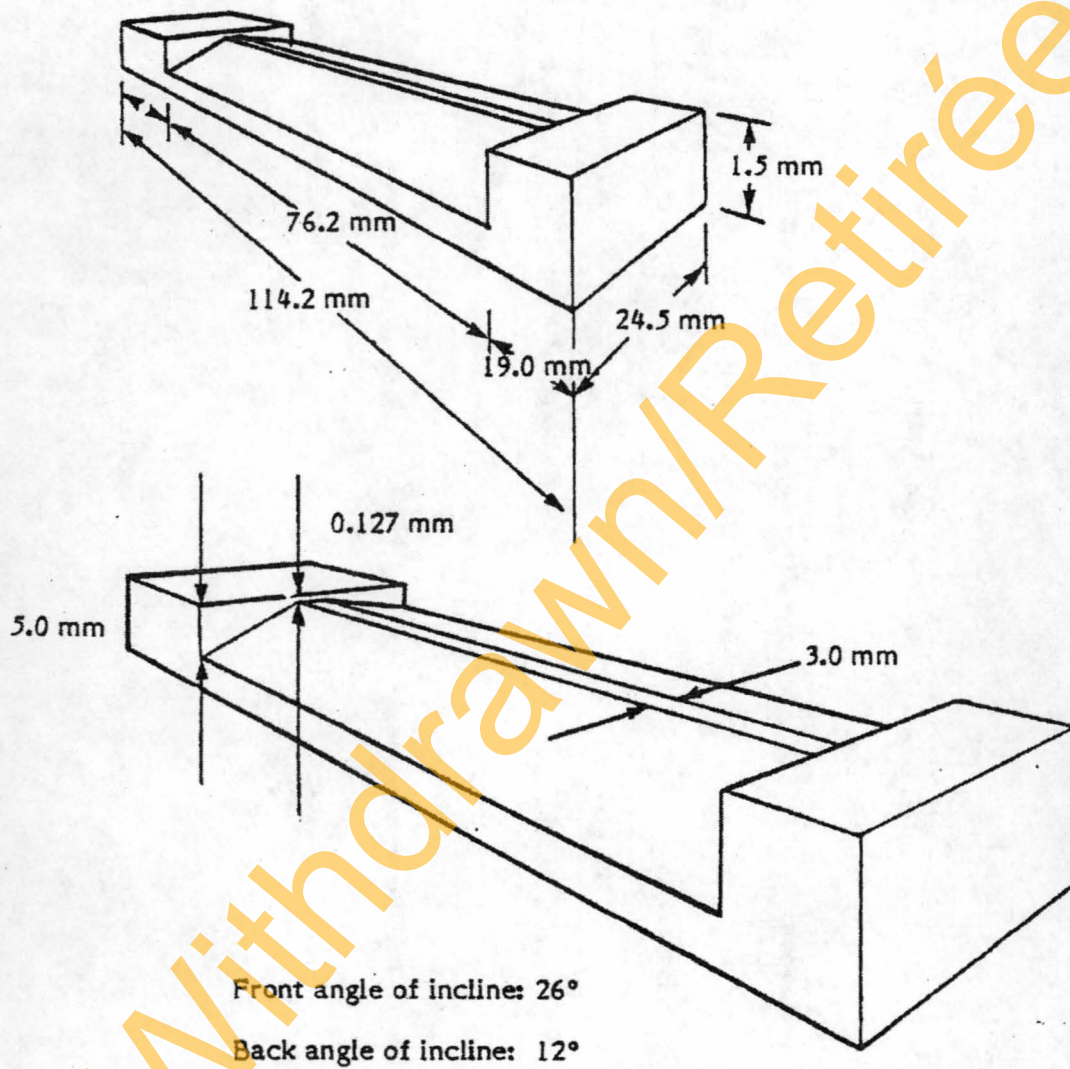


FIGURE 1

Front View of Test Applicator

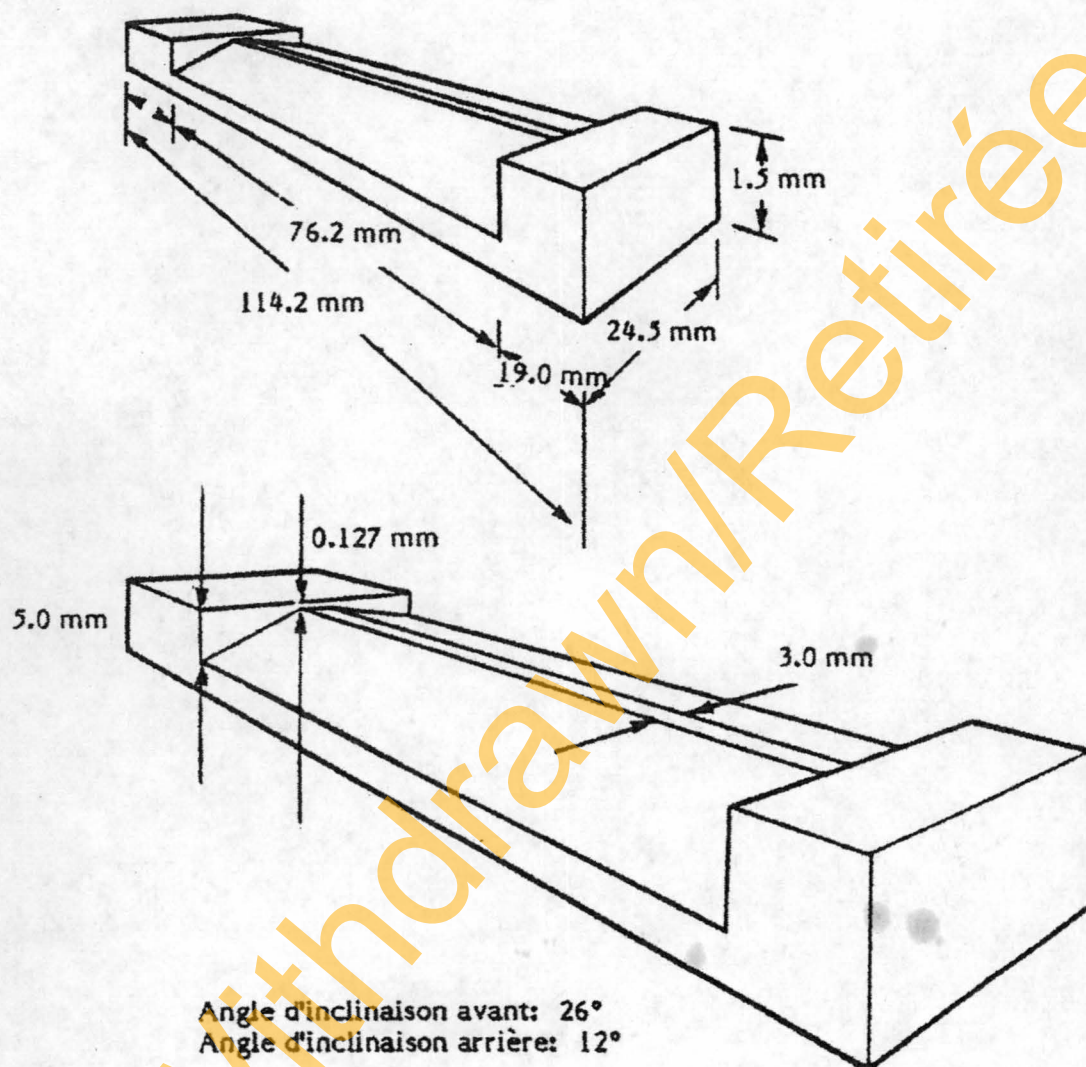


FIGURE 1

Vue avant de l'applicateur

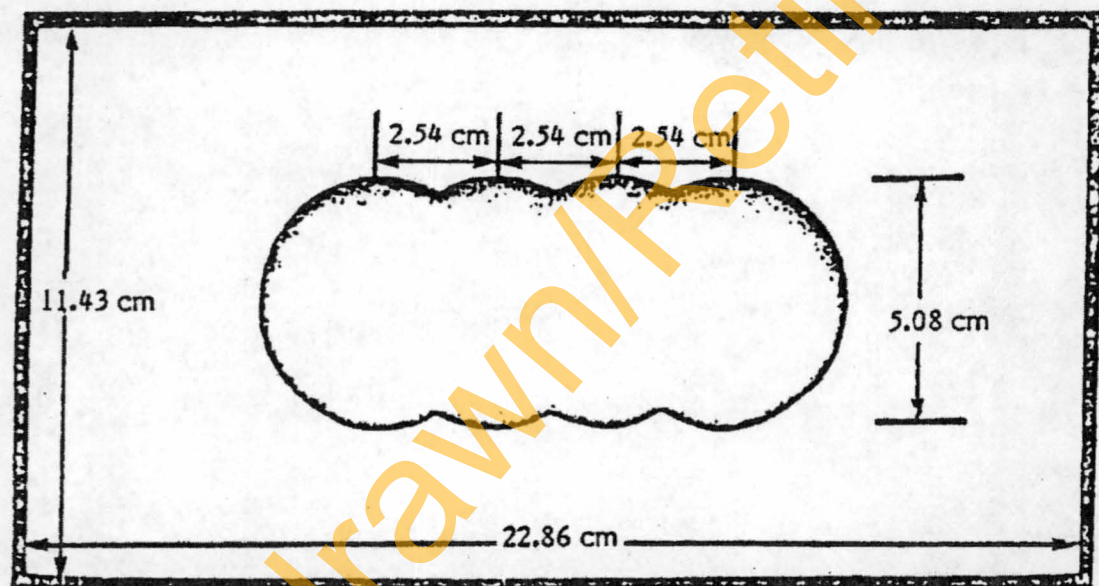


FIGURE 2

Template Dimensions

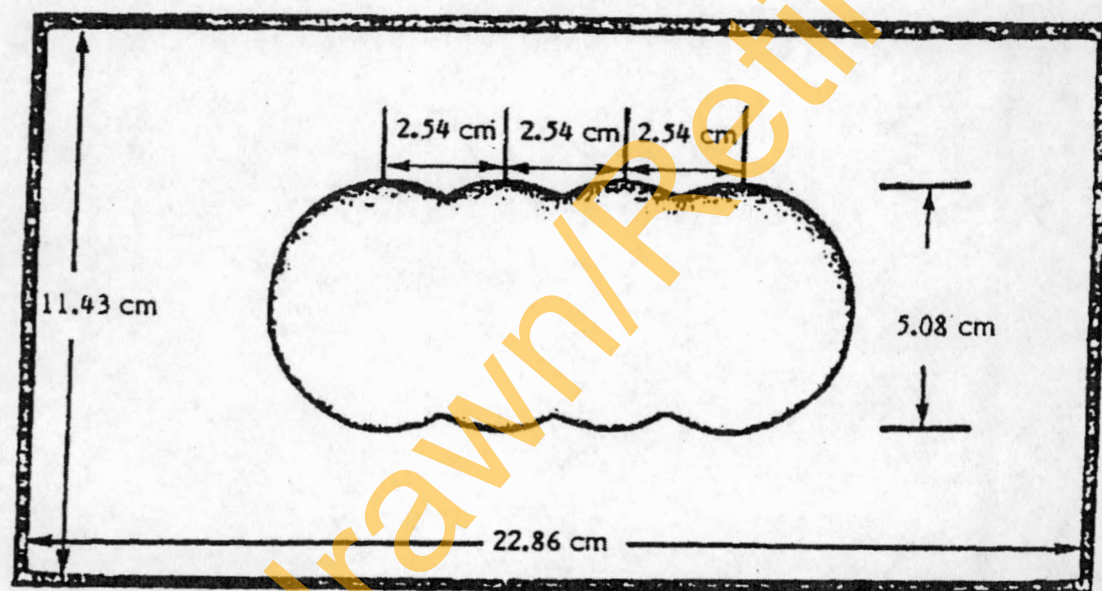


FIGURE 2

Dimensions du gabarit

CORRIGENDUM

March 1995

CANADIAN GENERAL
STANDARDS BOARD

Methods of Sampling and Testing
Soaps and Detergents

Determination of Stability
to Hard Water

Change the equation in par. 2.3 as given
below:

$$r/\text{min} = 426 \sqrt{\frac{rcf}{d}}$$

where: r/min = revolutions per minute
 d = diameter of swing in
centimetres

RECTIFICATIF

Mars 1995

OFFICE DES NORMES
GÉNÉRALES DU CANADA

Méthodes d'échantillonnage et d'essai
des savons et détergents

Détermination de la stabilité dans
l'eau dure

Changer l'équation du par. 2.3 de la façon
indiquée ci-dessous:

$$r/\text{min} = 426 \sqrt{\frac{fcr}{d}}$$

où: r/min = nombre de tours par minute
 d = diamètre du cercle décrit par
l'extrémité des tubes en
rotation, en centimètres.



Canadian
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CAN/CGSB-2.11-94

Supersedes 2-GP-11M

Methods of Sampling and Testing Soaps and Detergents

Withdrawn/Retirée



National Standard of Canada

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METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS

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Approved by the
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Acknowledgment is made for the translation of this National Standard of Canada by the Translation Bureau of the Department of the Secretary of State.

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	Preface to Test Methods	

Supersedes Issue of
November 1983

Unless otherwise specified, references to distilled water shall be understood to mean TYPE III reagent water conforming to ASTM D 1193, Specification for Reagent Water, and references to reagent grade chemicals shall be understood to mean those conforming to current specifications of the Committee on Analytical Reagents of the American Chemical Society. Other grades of reagent may be used if they have sufficiently high purity that the accuracy of the determination is not compromised.

Note: All test methods in this standard have been approved as a National Standard of Canada, except method 20.3, Cleaning Efficiency, which is still at Committee review.

Withdrawn/Retired

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	NUMERICAL INDEX	

Supersedes Issue of
November 1983

**Method
Number**

Title

- 1.1 Sampling of Bars and Cakes
- 1.2 Sampling of Flakes, Chips and Powders
- 1.3 Sampling of Liquids
- 1.4 Sampling of Pastes
- 1.5 Sampling of Scouring Compounds
- 1.6 Sampling of Granular Materials
- 2 Laboratory Preparation of Samples
- 3.1 Determination of Fatty and Rosin Acids, Anhydrous Soap and Acid Number
- 5.1 Determination of Rosin (Qualitative Test)
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- 6.4 Determination of Free Ammonia
- 8.1 Determination of Titre
- 9.1 Determination of Alcohol-Insoluble Matter in Soaps
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19.2	Determination of Stability to Sea Water
20.3	Determination of Cleaning Efficiency
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25.1	Determination of Phosphates
26.1	Determination of Carbonates
27.1	Determination of the Foaming Ability of Detergents
29.1	Determination of Soap in Synthetic Detergents (Qualitative Test)
30.1	Determination of the Type of Synthetic Detergent (Qualitative Test)
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46.1	Determination of Surface Tension

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
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Supersedes Issue of
November 1983

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 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	Sampling of Bars and Cakes	Method 1.1

Supersedes Issue of
November 1983

1. SCOPE

- 1.1 This method describes a procedure for sampling soaps, synthetic detergents, and related materials that are in bar or cake form.
- 1.2 The importance of careful sampling of materials for analysis cannot be overemphasized and the procedures described should be followed as minimum requirements. Careful sampling should be co-ordinated with careful handling and preparation of the materials in the laboratory.
- 1.3 The testing and evaluation of a product against this method may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this method has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. PROCEDURE

- 2.1 Select a sample of not less than 250 g from each production batch (Note 1). In no case shall a sample bar be taken from an outside row in the container. In the case of bars extending the full width or length of the container, take only the central one-third portion from the bars. Place the sample immediately in an airtight container, seal, mark, and keep it in a cool place until tested.

Note 1: A production batch includes all material produced at one time under identical conditions of manufacture.

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	Sampling of Flakes, Chips and Powders	Method 1.2

Supersedes Issue of
November 1983

1. SCOPE

- 1.1 This method describes a procedure for sampling soaps, synthetic detergents and related cleaning materials that are in flake, chip or powder form.
- 1.2 The importance of careful sampling of materials for analysis cannot be overemphasized and the procedures described should be followed as minimum requirements. Careful sampling should be co-ordinated with careful handling and preparation of the materials in the laboratory.
- 1.3 The testing and evaluation of a product against this method may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this method has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. PROCEDURE

- 2.1 **When Packed in Cans or Cartons** — Take one can or carton at random from each lot of containers having a total mass not exceeding 2000 kg. The sample shall be taken as near as possible from the centre of a container. Place the sample in an airtight container, seal, mark, and keep it in a cool place until tested.
- 2.2 **When in Bulk** — Take a grab portion of not less than 500 g at random from each batch having a total mass not exceeding 2000 kg. Take the sample as near as possible from the centre of the batch. Place the sample in an airtight container, seal, mark, and keep it in a cool place until tested.

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	Sampling of Liquids	Method 1.3

Supersedes Issue of
November 1983

1. SCOPE

- 1.1 This method describes a procedure for sampling soaps, synthetic detergents and related cleaning materials that are in liquid form.
- 1.2 The importance of careful sampling of materials for analysis cannot be overemphasized and the procedures described should be followed as minimum requirements. Careful sampling should be co-ordinated with careful handling and preparation of the materials in the laboratory.
- 1.3 The testing and evaluation of a product against this method may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this method has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. PROCEDURE

- 2.1 Before taking a sample from a container, thoroughly mix the contents. Fill a 500 mL clean, dry bottle with material representative of each production batch. After filling, securely close the bottle, seal, mark, and keep it in a cool place until tested.

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	Sampling of Pastes	Method 1.4

Supersedes Issue of
November 1983

1. SCOPE

- 1.1 This method describes a procedure for sampling soaps, synthetic detergents and related cleaning materials that are in paste form.
- 1.2 The importance of careful sampling of materials for analysis cannot be overemphasized and the procedures described should be followed as minimum requirements. Careful sampling should be co-ordinated with careful handling and preparation of the materials in the laboratory.
- 1.3 The testing and evaluation of a product against this method may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this method has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. PROCEDURE

- 2.1 From each 2000 kg batch or fraction thereof, take a grab sample of not less than 250 g from each of three containers, selected at random. Take the sample from a point not less than 150 mm from the top of the container. Place the sample in an airtight container, seal, mark, and keep it in a cool place until tested.

 Ottawa Canada K1A 1G6	METHODS OF SAMPLING AND TESTING SOAPS AND DETERGENTS	CAN/CGSB-2.11-94
	Sampling of Scouring Compounds	Method 1.5

Supersedes Issue of
November 1983

1. SCOPE

- 1.1 This method describes a procedure for sampling scouring compounds and similar cleaning preparations.
- 1.2 The importance of careful sampling of materials for analysis cannot be overemphasized and the procedure described should be followed as minimum requirements. Careful sampling should be co-ordinated with careful handling and preparation of the materials in the laboratory.
- 1.3 The testing and evaluation of a product against this method may require the use of materials and/or equipment that could be hazardous. This document does not purport to address all the safety aspects associated with its use. Anyone using this method has the responsibility to consult the appropriate authorities and to establish appropriate health and safety practices in conjunction with any existing applicable regulatory requirements prior to its use.

2. PROCEDURE

- 2.1 **When Packed in Cans or Cartons** — Take one carton at random from each of not less than 1% of the vendor's shipping containers, provided that such containers hold not less than 50 kg each. In the case of smaller packages, take a can or carton at random from each lot of packages having a total mass not exceeding 2000 kg.
- 2.2 **When in Bulk** — Take a grab sample of not less than 500 g at random from each of not less than 1% of the vendor's shipping containers, provided such containers hold not less than 50 kg. In the case of smaller packages, take a grab sample of not less than 500 g at random from each lot of packages totalling not more than 2000 kg in mass. In every case, take the samples from the interior of the container at a point not closer than 150 mm to the wall. Thoroughly mix the sample, place in an airtight container, seal, mark, and keep it in a cool place until tested.