

2-GP-103
4 November 1954
CANCELLATION
25 March 1960

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

SYNTHETIC DETERGENT; POWDER, FOR USE IN SOFT
HARD OR SEA WATER

CGSB Specification 2-GP-103 dated 4 November 1954, is cancelled as of
25 March 1960 and is superseded by 2-GP-115a issued 25 March 1960.

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2-GP-103
4 November 1954
CORRECTION NO. 1
8 September 1955

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

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SYNTHETIC DETERGENT; POWDER, FOR USE
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2. GENERAL REQUIREMENTS

Section 2.1, line 2; Change "cold" to read "soft".



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SPECIFICATION

FOR

SYNTHETIC DETERGENT; POWDER, FOR USE
IN SOFT, HARD OR SEA WATER

2-GP-103

4 NOVEMBER 1954

THIS SPECIFICATION APPLIES TO A SYNTHETIC DETERGENT OF EITHER
THE ANIONIC OR NONIONIC TYPE, OR BOTH, IN POWDER FORM

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4 November 1954
 Supersedes 2-GP-22-
 1944 and subsequent
 corrections and
 amendments

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Specification
for

SYNTHETIC DETERGENT; POWDER, FOR USE IN SOFT,
 HARD OR SEA WATER

1. DEFINITION

1.1 This specification applies to a synthetic detergent of either the anionic or nonionic type, or both, in powder form.

2. GENERAL REQUIREMENTS

2.1 The detergent shall be suitable for general cleaning purposes such as the washing of fabrics and painted surfaces when cold, hard or sea water is used.

2.2 It shall be a homogeneous powder free from visible foreign matter.

2.3 It shall not contain added soap and/or cationic compounds.

2.4 It shall have no injurious effect on the skin.

2.5 It shall be free from objectionable odor as received and in solution in hot water and shall not develop such odor in storage within 12 months of delivery.

2.6 When held under normal conditions of storage in a suitable unopened container for a period of one year, the material shall remain uniform and show no caking.

3. BASIS OF ANALYSIS

3.1 In the analysis of the material the results obtained shall be expressed on the basis of the sample as received.

4. DETAIL REQUIREMENTS4.1 Physical and Chemical Requirements

	<u>Min.</u>	<u>Max.</u>	<u>Test Method</u>
4.1.1 Anhydrous salt-free anionic and/or nonionic synthetic detergent, per cent	20.0	-	17.1
4.1.2 Soap	-	Nil	29.1
4.1.3 Cationics	-	Nil	30.1
4.1.4 Water Insoluble, per cent	-	0.5	10.3
4.1.5 pH (1 per cent aq. soln.)	6.0	9.0	18.1
4.1.6 Stability to Hard Water, ml. of curd	-	2.5	19.1
4.1.7 Stability to Sea Water, ml. of curd	-	3.5	19.2
4.1.8 Foaming Ability, ml. of foam	10	-	27.1

4.1.9 Cleaning Efficiency - The reflectance of the standard soiled cloth after washing with a 0.2 per cent aqueous solution of the detergent in accordance with the prescribed procedure shall be not less than 45.

Method 20.1

4.1.10 Rinsing Properties - The cleaner shall be free-rinsing when tested in accordance with the prescribed procedure.

Method 31.1

4.1.11 Solubility - The cleaner shall be completely soluble in distilled water when tested in accordance with the prescribed procedure.

Method 32.1

4.2 Other Determinations - At the discretion of the testing authority, other analysis may be made to determine whether the material complies with the requirements of this specification.

5. SAMPLING AND TEST METHODS

5.1 Sampling shall be carried out in accordance with Section 1.2 of CGSB Schedule No. 2-GP-11: Methods of Testing and Analysis of Soaps and Detergents.

5.2 Preparation of the samples in the laboratory shall be in accordance with Section 2.2 of Schedule No. 2-GP-11 and the methods of testing shall be those described in the same Schedule using the method specified with each requirement.

Correspondence regarding this specification should be addressed to the Secretary, Canadian Government Specifications Board, National Research Council, Ottawa, Canada.