CANADIAN GENERAL STANDARDS BOARD

The following standards are hereby cancelled.

2-GP-23b – Sodium Metasilicate
2-GP-25b – Soda, Modified
2-GP-26b – Tetrasodium Pyrophosphate
2-GP-31b – Trisodium Phosphate
2-GP-36a – Sodium Tripolyphosphate

These standards are cancelled because they are superseded by the following respective standards:

15-GP-44M – Sodium Metasilicate
15-GP-42M – Soda, Modified
15-GP-39M – Tetrasodium Pyrophosphate
15-GP-41M – Trisodium Phosophate
15-GP-40M – Sodium Tripolyphosphate

OFFICE DES NORMES GÉNÉRALES DU CANADA

Les normes suivantes sont annulées par la présente.

F2-GP-23b – Métasilicate de sodium
F2-GP-25b – Carbonate de soude modifié
F2-GP-26b – Pyrophosphate tétrasodique
F2-GP-31b – Phosphate trisodique
F2-GP-36a – Triphospate de sodium

Les normes susmentionnées sont annulées parce qu'elles sont remplacées par les normes suivantes respectives:

15-GP-44M – Métasilicate de sodium
15-GP-42M – Carbonate de soude modifié
15-GP-39M – Pyrophosphate tétrasodique
15-GP-41M – Phosphate trisodique
15-GP-40M – Triphosphate de sodium

OFFICE DES NORMES DU GOUVERNEMENT CANADIEN

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

STANDARD

FOR

SODIUM METASILICATE

2-GP-23b

12 NOVEMBER 1968

SUPERSEDES 2-GP-23A
24 APRIL 1959

Withdrawn/Retirée

Rcd 200 ₩
20/3/71

THIS STANDARD APPLIES TO COMMERCIAL GRADES OF SODIUM METASILICATE.

MINISTERE DES APPROVISIONNEMENTS ET SERVICES

CGSB
ONGC

DEPARTMENT OF SUPPLY AND SERVICES

OTTAWA CANADA

15 cents

DSS 10313 (JUN 69) 7530-21-029-1087

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Withdrawn/Retirée

2-GP-23b *
12 November 1968
Supersedes 2-GP-23a
24 April 1959

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standard
for

SODIUM METASILICATE

Withdrawn/Retirée

1. DEFINITION

1.1 This standard applies to commercial grades of sodium metasilicate.

1.2 For information on uses, see par. 8.1.

2. APPLICABLE PUBLICATIONS

2.1 The following publication is applicable to this standard:

2.1.1 ASTM Standards on Soaps and Other Detergents.

2.2 Reference to the above publication is to the issue in effect on the date of invitation to tender, unless otherwise specified.

3. CLASSIFICATION

3.1 Sodium metasilicate shall be of the following types, as specified by the purchaser:

3.1.1 Type 1, Pentahydrate ($Na_2SiO_3:5H_2O$).

3.1.2 Type 2, Anhydrous (Na_2SiO_3).

4. GENERAL REQUIREMENTS

4.1 Type 1 sodium metasilicate shall be a white granular or crystalline material. Type 2 material shall be granular in form.

4.2 The product shall be free from dirt and other visible foreign matter.

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* This revision incorporates 2-GP-23a and editorial changes only. No changes in technical content have been made.

5. DETAIL REQUIREMENTS

		Type 1 Min	Type 1 Max	Type 2 Min	Type 2 Max	ASTM Method
5.1	Sodium metasilicate - as $Na_2SiO_3:5H_2O$, % by wt	98.0	-	-	-	D501, Sect. 53
	as Na_2SiO_3, % by wt	-	-	91.5	-	D537
5.2	Total alkalinity (as Na_2O), % by wt	28.5	30.0	50.0	52.0	D501, Sect. 47-49
5.3	Total silica (as SiO_2), % by wt	27.5	29.0	45.0	-	D501, Sect. 50-52
5.4	Matter insoluble in water, % by wt	-	0.2	-	0.3	D501, Sect. 55-56
5.5	Carbonates (as CO_2), % by wt	-	1.2	-	2.0	D501, Sect. 12

6. PREPARATION FOR DELIVERY

6.1 Unless otherwise specified by the purchaser, commercial packaging, labelling, packing and marking shall be acceptable.

7. INSPECTION

7.1 Sampling and Testing - The material shall be sampled and tested in accordance with the appropriate sections of ASTM D501, Chemical Analysis of Alkaline Detergents.

8. NOTES

8.1 Intended Uses - Sodium metasilicate to this standard is intended for various washing, cleaning and scouring applications, with or without soap or other detergents and where a moderately alkaline material is desired. It should be noted that, due to atmospheric or storage conditions, sodium metasilicate is subject to a possible gain or loss in weight.

8.2 In normal use one pound of Type 2 material is equivalent to 1.6 pounds of Type 1.

8.3 Ordering Data - In ordering material to this standard, the purchaser should state the following:

Type required (par. 3.1).
Details of packaging, labelling, packing and marking if commercial practice is not acceptable (par. 6.1).

8.4 Related Specifications - At the time of publication, the undernoted documents were corresponding specifications (but not necessarily equivalent):

8.4.1 ASTM Specification D537, Sodium Metasilicate.

8.4.2 U.S. Federal Specification O-S-604b, Sodium Metasilicate, Technical.

8.5 The publication listed in par. 2.1.1 may be obtained from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, Pa., 19103, U.S.A.

Correspondence regarding this standard should be addressed to the Canadian Government Specifications Board, c/o Department of Defence Production, Ottawa 4, Canada.

Withdrawn/Retirée