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These standards are cancelled because they are superseded by the following respective standards: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

CANADA

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Withdrawn/Retirée

STANDARD

FOR

(1)

SODA: MODIFIED

2-GP-25b

28 FEBRUARY 1969

SUPERSEDES 2-GP-25A
24 APRIL 1959

Red 300 Af
30/4/69

THIS STANDARD APPLIES TO CHEMICAL AND MECHANICAL MIXTURES OF SODIUM CARBONATE AND SODIUM BICARBONATE COMMONLY DESIGNATED AS MODIFIED SODA.

DEPARTMENT OF DEFENCE PRODUCTION, OTTAWA, CANADA

15 cents

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Withdrawn/Retirée

2-GP-25b
28 February 1969
Supersedes 2-GP-25a
24 April 1959

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standard for SODA: MODIFIED

Withdrawn/Retirée

1. DEFINITION

1.1 This standard applies to chemical and mechanical mixtures of sodium carbonate and sodium bicarbonate commonly designated as modified soda.

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, or to test methods therein, is to the issue in effect on the date of invitation to tender, unless otherwise specified.

3. CLASSIFICATION

3.1 The soda shall be of the following types as specified by the purchaser:

3.1.1 Type 1 Sesquicarbonate of soda

3.1.2 Type 2 Physical mixture of sodium carbonate and sodium bicarbonate.

4. GENERAL REQUIREMENTS

4.1 Type 1 - The soda shall be true sodium sesquicarbonate dihydrate ($Na_2CO_3.NaHCO_3.2H_2O$). It shall be crystalline in structure, free-flowing and readily soluble in water.

4.2 Type 2 - The soda shall be a physical mixture of sodium carbonate and sodium bicarbonate. It shall be a uniform white powder.

5. DETAIL REQUIREMENTS

5.1 The soda shall comply with the following detail requirements, when tested according to ASTM D501:

		Type 1		Type 2		ASTM D501
		Min	Max	Min	Max	Section
5.1.1	Total alkalinity as Na_2O, % by wt	40.5	42.1	39.0	45.0	33-35
5.1.2	Sodium bicarbonate ($NaHCO_3$), % by wt	35.5	37.2	35.0	50.0	36-38
5.1.3	Sodium carbonate (Na_2CO_3), % by wt	46.9	48.5	35.0	50.0	36-38
5.1.4	Water insoluble matter, % by wt	-	0.1	-	0.1	39

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 - Modified soda to this standard is intended for use in laundering, washing, cleaning and scouring processes, with or without soap as conditions demand, where a mildly alkaline material is required. Both Type 1 and Type 2 have similar uses due to similarity of chemical make-up, the main difference between them being physical appearance: Type 1 is a needle-like crystal and Type 2 is a powder.

8.2 In ordering modified soda to this standard, purchasers shall state the type required, and details of packaging, etc., if commercial practice is not acceptable.

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

8.3.1 ASTM Specification D457, Modified Soda (Sesquicarbonate Type).

8.3.2 U.S. Federal Specification P-S-641g, Sodium Carbonate-Sodium Bicarbonate Mixture.

Withdrawn/Retirée

8.4 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.

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