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These standards are cancelled because they are superseded by the following respective standards: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Withdrawn/Retirée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)

SODIUM TRIPOLYPHOSPHATE

2-GP-36a

28 NOVEMBER 1968

SUPERSEDES 2-GP-36
25 MARCH 1960

Rec'd 700 as
(4/2/69

THIS STANDARD APPLIES TO SODIUM TRIPOLYPHOSPHATE ($NA_5P_3O_{10}$).

DEPARTMENT OF DEFENCE PRODUCTION, OTTAWA, CANADA

15 cents

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Standards Officer – L.M. Schacter, CGSB

Withdrawn/Retirée

2-GP-36a*
28 November 1968
Supersedes 2-GP-36
25 March 1960

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Standard
for

SODIUM TRIPOLYPHOSPHATE

Withdrawn/Retirée

1. DEFINITION

1.1 This standard applies to sodium tripolyphosphate ($Na_5P_3O_{10}$).

1.2 For information on uses, see par 7.1.

2. APPLICABLE PUBLICATIONS

2.1 The following publication is applicable to this standard:

2.1.1 CGSB 2-GP-11, Methods of Testing and Analysis of Soaps and Detergents.

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

3. GENERAL REQUIREMENTS

3.1 Sodium tripolyphosphate shall be a white uniform product in either powdered or granular form as specified by the purchaser.

3.2 It shall be free from dirt and other foreign matter.

4. DETAIL REQUIREMENTS

4.1 Sodium tripolyphosphate shall comply with the following detail requirements:

		Min	Max	Test Method
4.1.1	Phosphate content, % by wt (as P_2O_5)	56.0	58.0	25.2
4.1.2	Orthophosphate content, % by wt (as P_2O_5)	–	1.0	25.3
4.1.3	Moisture, % by wt	–	0.5	13.1
4.1.4	pH, 1% aqueous solution at 25°C	9.3	10.1	18.1
4.1.5	Water insoluble matter, % by wt	–	0.1	10.4

*This revision incorporates 2-GP-36 and editorial changes only. No changes in technical content have been made.

4.1.6 *Water-Softening Capacity* – There shall be no formation of precipitate and the suds shall last for 5 minutes under the conditions of the test.

Method 27.2

5. PREPARATION FOR DELIVERY

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

6. INSPECTION

6.1 **Sampling** – Sampling shall be in accordance with Method 1.2 of CGSB 2-GP-11.

6.2 **Testing** – The methods of test shall be as specified with each requirement. The preparation of samples in the laboratory shall be in accordance with Method 2.2 of CGSB 2-GP-11.

7. NOTES

7.1 **Intended Uses** – Sodium tripolyphosphate to this standard is intended for use in admixture with soap and synthetic detergents as a builder and a sequestering agent. It may be used to treat boiler feedwater in cases where feedwater alkalinity does not build up to the desired alkalinity (causticity), i.e., in those cases where relatively large quantities of caustic soda or soda ash are required when sodium hexametaphosphate is used. It may be used in instances where trisodium phosphate would cause difficulty because of the immediate reaction of orthophosphate with precipitating ions. It may also be used to treat water in laundries where its use would be economically advantageous.

7.2 **Ordering Data** – In ordering material to this standard the purchaser should state the following:

Powdered or granular form required (par. 3.1).

Details of packaging, labelling, packing and marking if commercial practice is not acceptable (par. 5.1).

7.3 **Related Specifications** – At the time of publication, the undernoted document was a corresponding specification (but not necessarily equivalent):

7.3.1 U.S. Federal Specification O-S-635c, Type III, Sodium Polyphosphates, Technical.

7.4 The publication referenced in par. 2.1.1 may be obtained from the Canadian Government Specifications Board.

Withdrawn/Retirée

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