

Amendment Sheet No. 1

No. 15-GP-4-1939.

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CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEE

Specification for
Trisodium Phosphate, Technical

1. In Appendix B, paragraph 1, change A.S.T.M. Procedure D501-39 to read A.S.T.M. Procedure D501-41T.
2. In Appendix B, paragraph 2, change A.S.T.M. Procedure D501-39T to read A.S.T.M. Procedure D501-39.

Issued 27 December, 1939.

CANADIAN GOVERNMENT PURCHASING STANDARDS COMMITTEESpecification for
Trisodium Phosphate, Technical1. Definition

The material required by this specification shall be trisodium phosphate ($\text{Na}_3\text{PO}_4 \cdot 12 \text{H}_2\text{O}$), of the grade known as "technical".

2. General

The material shall be suitable for use either alone or in admixture with soap as a detergent and water softener in washing, cleaning, and other processes.

It shall be of a uniformly white colour, in granular form unless otherwise required by the purchaser, and shall be free from dirt and any other foreign matter.

3. Particle Size

The granulated material shall all pass a No. 10 (1680 micron) sieve and at least 50 per cent shall be retained on a 149 micron sieve.

The material, as received, shall be free from caking.

4. Chemical Composition

The material shall conform to the following chemical requirements:

	Per cent
*Trisodium phosphate ($\text{Na}_3\text{PO}_4 \cdot 12 \text{H}_2\text{O}$) (min.)	97.5
Phosphoric anhydride (P_2O_5) (min.)	42.2
Total alkalinity as Na_2O {min.}	36.8
(Methyl orange {max.}	43.7
indicator)	
Matter insoluble in water (max.)	0.2
*Carbon dioxide (CO_2) (max.)	1.0

Determinations marked (*) shall be on the basis of the sample as received. All other determinations shall be on the basis of anhydrous material.

(Appendix B)

A P P E N D I XMethods of Sampling and TestingA. Sampling

For the purposes of this specification a sample shall consist of a composite of "grab" portions, each of not less than one pound, taken at random from not less than 3 percent of the containers in each shipment. Samples when taken shall be placed immediately in air-tight cans.

B. Analysis

1. The analysis shall be made in accordance with the methods prescribed for trisodium phosphate in Procedure D501-39T of the American Society for Testing Materials (A.S.T.M.) except as hereinafter provided.

2. Carbon dioxide shall be determined by the evolution method as prescribed in the methods for caustic soda in A.S.T.M. Procedure D501-39T.
