Canadian General Standards Board

Office des normes générales du Canada

CGSB

ONGC

136-GP-Series
Série des 136-GP

CANCELLATION

April 1983

CANADIAN GENERAL
STANDARDS BOARD

Standard for

POLICE EQUIPMENT

All fourteen provisional standards in this series are hereby cancelled due to a lack of interest. These standards are listed on the following pages.

ANNULATION

Avril 1983

OFFICE DES NORMES
GÉNÉRALES DU CANADA

Norme

MATÉRIEL POLICIER

Les quatorze normes provisoires de cette série sont annulées par la présente parce qu'elles ne suscitent plus aucun intérêt. Ces normes sont énumérées aux pages suivantes.

Ottawa, Canada K1A 1G6

Canada

Standard No. Nº de norme	Title Titre	Date of Issue Date de parution
136-GP-14MP	Cartridges, Tear Gas, 12 Gauge, for Enclosed Space Use Cartouches, gaz lacrymogène, calibre 12, utilisées en milieu fermé	March 79 Mars 79
136-GP-18MP	Grenades, Smoke, White Grenades à fumée blanche	March 79 Mars 79
*136-GP-25P	Highway Fusees, Red Torches à flamme rouge, pour autoroutes	October 75 Octobre 75
136-GP-26MP	Thunderflashes Pétards	May 77 Mai 77
136-GP-27MP	Paraflares, Hand-Held Fusées éclairantes à parachute, à main	March 79 Mars 79
136-GP-85MP	Sunglasses, for Police Use Lunettes de soleil pour policiers	June 77 Juin 77
136-GP-90MP	Ink, Fingerprint Encre, empreintes digitales	April 77 Avril 77

*Unilingual Standard
Norme unilingue

Standard No. Nº de norme	Title Titre	Date of Issue Date de parution
*136-GP-1P	Silica, Colloidal, Synthetic Silice colloïdal synthétique	May 75 Mai 75
*136-GP-2P	Chemical Agent, CS Agent chimique, CS	May 75 Mai 75
*136-GP-3P	Chemical Agent, CS 1 Agent chimique, CS 1	October 75 Octobre 75
*136-GP-4P	Chemical Agent, CS 2 Agent chimique, CS 2	October 75 Octobre 75
*136-GP-5P	Chemical Agent, CR Agent chimique, CR	October 75 Octobre 75
136-GP-10MP	Grenades, Tear Gas, Pyrotechnic Type, for Open Area Use Grenades lacrymogènes de type pyrotechnique utilisées en milieu ouvert	March 79 Mars 79
136-GP-12MP	Grenades, Tear Gas, Pyrotechnic Type, for Enclosed Space Use Grenades lacrymogènes de type pyrotechnique utilisées en milieu fermé	March 79 Mars 79

*Unilingual Standard
Norme unilingue

Specifications Board
Supply and Services Canada

Office des Normes
Approvisionnements et Services Canada

Provisional Standard for: Silica, Colloidal, Synthetic

This provisional standard applies to one type of synthetic colloidal silica.

Withdrawn/Retiree

25 copies

136-GP-1P

May 1975

Price Code A

Pour l'édition française commander (F)136-GP-1P

This provisional standard has been issued to meet a procurement need. It has not been ratified by the Board.

Standards Officer - H.E. Mitton, CGSB

Withdrawn/Retirée

FOREWORD

The CANADIAN GOVERNMENT SPECIFICATIONS BOARD under whose auspices this standard has been developed is a federal government agency engaged in the production of voluntary standards in a wide range of subject areas through the medium of technical committees and the consensus process. The technical committees are representative of relevant interests including producers, consumers and other users, retailers, governments, educational institutions, technical, professional and trade societies, and research and testing organizations. The CGSB has been accredited by the Standards Council of Canada as a national standards writing organization. The standards that it develops and offers as National Standards of Canada conform to the criteria and procedures established for this purpose by the Standards Council of Canada. In addition to standards it publishes as National Standards, CGSB produces standards to meet particular needs, in response to requests from a variety of sources in both the public and private sectors.

Although the intended primary application of each standard is stated in its Definition or Scope clause, it is important to note that it remains the responsibility of the user of the standard to judge its suitability for his particular purpose.

CGSB standards are subject to periodic review to ensure that they keep abreast of technological progress. Suggestions for their improvement, which are always welcome, are brought to the notice of the technical committees concerned. Changes to standards are issued either as separate amendment sheets or in revised editions of the standards.

An up-to-date listing of CGSB standards, including details on latest issues and amendments, and ordering instructions, will be found in the Catalogue of Standards which is published annually with cumulative supplements, and is available without charge upon request.

Further information on the CGSB and its services and standards may be obtained from:

Canadian Government Specifications Board
6th Floor, 88 Metcalfe Street
Ottawa, Ontario
Canada
K1A 0S5

Withdrawn/Retired

CANADIAN GOVERNMENT SPECIFICATIONS BOARD

Provisional Standard
for

SILICA, COLLOIDAL, SYNTHETIC

1. DEFINITION

1.1 This provisional standard applies to one type of synthetic colloidal silica.

1.2 For uses see par. 6.2.

2. APPLICABLE PUBLICATIONS

2.1 The following publications are applicable to this standard:

2.1.1 American Standards for Testing and Materials (ASTM)

C 169	Chemical Analysis of Soda-Lime Glass
D 1895	Apparent Density, Bulk Factor and Pourability of Plastic Materials
E 29	Recommended Practice for Indicating which Places of Figures are to be Considered Significant in Specified Limiting Values.
E 300	Recommended Practice for Sampling Industrial Chemicals.

2.1.2 Canadian Freight Classification

2.1.3 National Motor Freight Classification.

2.2 Reference to the above publications and to test methods therein, is to the latest issues, unless otherwise specified.

3. DETAIL REQUIREMENTS

NOTICE: The silica shall comply with the detail requirements below, *the limits of which are absolute, and not subject to correction for tolerances of test methods (par. 5.4)*

		Min	Max	Test Method
3.1	Silicon dioxide (SiO_2), % by wt	95	-	5.3.1
3.2	Volatile matter, % by wt	-	5	5.3.2
3.3	Apparent Density, g/cm^3	-	0.1	5.3.3

4. PREPARATION FOR DELIVERY

4.1 Packing - Quantities of silica as specified shall be packed in containers in compliance with Canadian Freight Classification Rules or National Motor Freight Classification Rules, as applicable, or other carrier rules as may be applicable to the mode of transportation.

4.2 Marking - Shipping containers shall be durably and legibly marked to show the item name and the net weight of contents. Marking shall also be in compliance with the rules and regulations of the applicable common carrier.

5. INSPECTION

5.1 General - Unless otherwise stipulated in the contract, it is the prime contractor's responsibility to satisfy the inspection authority that the commodity conforms to this standard. This may be accomplished either by performing the tests specified in this standard or by demonstrating to the satisfaction of the inspection authority that manufacturing processes and techniques are so controlled that conformity to this standard is ensured. The contractor may, for this purpose, utilize his own facilities or other testing establishment acceptable to the inspection authority.

Withdrawn/Retirée

5.2 Sampling - A representative sample shall be taken for inspection tests in accordance with good sampling practice. ASTM E 300 provides guidance on sampling solids (powders).

5.3 Testing

5.3.1 *Silicon dioxide* - Determine percent by weight of silicon dioxide in accordance with ASTM C 169, Section 6.

5.3.2 *Volatile matter* - Transfer approximately 5 g of the sample which has been weighed to the nearest milligram to a tared weighing bottle. Heat to constant weight at 150 ± 5°C, cool to room temperature in a desiccator, and weigh to the nearest milligram. Calculate the percent volatile matter as follows:

$$\text{Volatile matter, \% by wt} = \frac{100\ (A - B)}{W}$$

where: A = Weight of bottle and specimen before heating in grams,
B = Weight of bottle and specimen after heating in grams, and
W = Weight of specimen in grams.

5.3.3 *Apparent Density* - Determine apparent density in accordance with ASTM D 1895.

5.4 Assesment of Conformance to the Standard - For tests carried out by the inspecting laboratory, average results will be used if multiple determinations are made. For those test methods where repeatability data are given, the average value derived from the individual results that agree within the repeatability limits may be used at the discretion of the Inspection Authority, provided an indication is given of the total number of results obtained and of the number falling outside the repeatability limits. To determine conformance with each requirement, an observed value or calculated value shall be rounded off to the nearest unit in the last right-hand place of figures used in expressing the limiting value, in accordance with the rounding-off procedure given in ASTM E 29.

6. NOTES

6.1 Ordering Data - Purchase documents for Silica, Colloidal to this standard should specify the title, number and date of this standard.

6.2 Intended uses - Colloidal silica to this standard is intended for use as a dispersing and anti-caking ingredient in the manufacture of riot control agents such as Chemical Agent CS1 (effective ingredient - o-chlorobenzalmalononitrile).

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

6.4 The publication listed in par. 2.1.2 may be obtained from P.J. Lavallée, Agent and Attorney, 1162 St. Antoine Street, Montreal, Quebec H3C 1B5.

6.5 The publication listed in par. 2.1.3 may be obtained from the National Classification Board, 1616 P Street, N.W., Washington, D.C. 20036.

6.6 Acknowledgement - This provisional standard is technically similar to U.S. Military Specification MIL-S-12613B and acknowledgement is made of assistance received from this source.

Withdrawn/Retirée

-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-o-