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National Standard of the People's Republic of China
中华人民共和国国家标准

GB/T 6680-2003
Replace GB/T 6680-1986

**General principles for sampling liquid chemical
products**

液体化工产品采样通则

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**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

Foreword

The standard is modified in accordance with ISO 3170:1988 *Method for Sampling Liquid Petroleum Product (Manual Sampling)* (English version).

There have been some significant changes in this national standard over its previous edition in the following technical aspects:

- Deleting the Chapter 6 of liquid gas in the previous edition;
- Modifying the sampling equipments (annex A of previous edition, and Chapter 6 of this standard)

The standard will replace GB/T 6680-1986 *General Principle for Sampling Liquid Chemical Products*.

The standard is proposed by China Petroleum and Chemical Industry Association.

The standard is under the jurisdiction of China National Technology Committee of Chemical Standardization (SAC/TC 63)

Drafting Unit: Chinese Chemistry Standardization Research Institute.

Participation Drafting Unit: Nantong Administration for Entry-Exit Inspection and Quarantine, Changzhou Administration for Entry-Exit Inspection and Quarantine, and Tianjin Yuhua Trade Corporation.

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The standard is initially issued in Aug of 1986.

General principles for sampling liquid chemical products

1 Scope

The standard specifies the terms and definitions, basic requirements, sampling plan and equipment, and operating method for sampling liquid chemical products.

The standard is applicable to the sampling of liquid chemical products with temperature not exceeding 100°C, and pressure at or near normal pressure; while it is inapplicable to the sampling of those liquid chemical products with special requirements in their standard specifications.

2 Normative Quoted Documents

The following standards contain the provisions which, through reference in this text, constitute the provisions of the standard. For dated reference, subsequent amendments to, or revisions of, any of these publications do not apply. For undated reference, the latest edition of the normative document referred to applies.

GB/T 6678-2003 *General Principles for Sampling Chemical Products*

GB/T 6679 *General Principles for Sampling Solid Chemical Products*

GB/T 6681 *General Principles for Sampling Gaseous Chemical Products*

GB/T 3723-1999 *Sampling of Chemical Products for Industrial Use-Safety in Sampling* (IDT ISO 3165: 1976)

3 Term and Definition

The following terms and definitions are applicable to the standard.

3.1 Spot sample

Spot sample indicates certain amount or size of samples collected from special parts of material or collected at intervals of the material flow, which represent partial or instant samples. See Fig.1.

3.2 Surface sample

Surface sample indicates the sample collected from material surface, for the purpose of obtaining surface data of the material. See Fig.1.

3.3 Bottom sample

Bottom sample indicates the sample collected from material bottom, for the purpose of obtaining the bottom data of the material. See Fig.1

3.4 Upper sample

Upper sample indicates a type of spot sample collected at the depth of certain material volume (like 1/6 total volume). See Fig.1.

3.5 Middle sample

Middle sample indicates the spot sample collected at the depth of half material volume. See Fig.1.

3.6 Lower sample

Lower sample indicates the spot sample collected at the depth of certain material volume (like 5/6 total volume). See Fig.1.

3.7 Full level sample

Full level sample indicates the sample collected from full level of the container. See Fig.1.

3.8 Average sample

Average sample indicates the sample compounded with a group of spot samples to a scale.



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