

ICS 83.080.01

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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 1844.3-2008/ISO 1043.3:1996

Replace GB/T 1844.3-1995

Plastic—Symbols and abbreviated terms—

Part 3: Plasticizers

塑料 符号和缩略语

第 3 部分：增塑剂

(ISO 1043.3: 1996, IDT)

Issued on August 04, 2008

Implemented on April 01, 2009

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

Standardization Administration of the People's Republic of China

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Foreword

GB/T 1844 *Plastic—Symbols and abbreviated* consists of four parts are as follows:

- Part 1: Basic polymers and their special characteristics;
- Part 2: Fillers and reinforcing materials;
- Part 3: Plasticizers;
- Part 4: Flame retardants.

This is Part 3 of GB/T 1844 and identical to ISO 1043.3: 1996 *Plastics — Symbols and abbreviated terms — Part 3: Plasticizers*.

For ease of use and ISO 1043-3: 1996, partial editorial changes have been made are as follows:

- Deleted the FOREWORD in ISO 1043.3: 1996;
- Changed “This Part of ISO 1043” as “This Part of GB/T 1844”;
- The abbreviated and code of plasticizers to be shown in table;
- Added the Chinese list for abbr. in Annex A;
- Added the informative annex NA “main difference between this Part and GB/T 1844.3-1995”.

This Part will replace GB/T 1844.3-1995 *Symbols of plastics and resins—Part 3: Plasticizers*, comparison with GB/T 1844.3-1995, main changes of this Part are as follows:

- Added the name of International Union of Pure and Applied Chemistry (IUPAC) and (Chemical Abstracts Service Registry Number) CAS-RN;
- Added the main differences between this Part and 1995 edition (see Annex NA).

Annex A of this Part is normative annex, Annex NA is informative annex.

This Part is proposed by China Petroleum & Chemical Industry Association.

This Standard is under the jurisdiction of National Technical Committee (SAC/TC 15) on Plastic of Standardization Administration of China

The responsible drafting organization is National Research & Analysis Center for Chemical Building Materials (Material Test Dept.) of Beijing Chemical Research Institute.

The participate drafting organizations are National Quality Supervision and Inspection Center of Synthetic Resin, Beijing Yanshan Petroleum Resin Institute and Guangzhou

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The chief drafting staff of this standard includes Hu Xiaoyi, Wei Ruoqi, Li Shengde, Wang Jiandong, Chen Chongyuan and Liu Qixiang.

This standard replaces the following historical editions issued:

— GB 1844-1986; GB/T 1844.3-1995.

Plastic—Symbols and abbreviated terms—

Part 3: Plasticizers

1 Scope

1.1 This part of GB/T 1844 provides uniform symbols for components of terms relating to plasticizers to form abbreviated terms. It includes, in general, only those abbreviated terms that have come into established use.

1.2 The purpose of this part is to prevent the occurrence of more than one abbreviated term for a given plasticizer. The symbols are primarily intended to be a convenient shorthand for forming abbreviated terms for chemical names in publications and other written matter.

2 Use of the symbols and abbreviated terms

2.1 The first appearance of an abbreviated term in a text shall be enclosed in parentheses and shall be preceded by the chemical name written in full.

2.2 Only capital letters shall be used for the symbols.

2.3 The list comprises the abbreviated term, the commonly used name or names, and the IUPAC¹⁾ (Chinese and English) equivalent and the CAS-RN²⁾ where these are available. In cases where IUPAC nomenclature or the CAS-RN are not available due to uncertainty or ambiguity, this is indicated in the text.

The commonly used chemical name or the IUPAC name given in this part shall be referred to when defining each abbreviated term.

NOTE — It should be recognized that, in use in the rubber and plastics industries, many plasticizers are "commercial" or "technical" grades and not necessarily pure forms of substances.

2.4 A list of symbols for individual components of abbreviated terms is given in annex A.

2.5 Mixtures of plasticizers are not considered in this part.

2.6 Unless otherwise indicated, the alkyl groups are n-alkyl groups and phthalates are esters of o-phthalic acid.

2.7 No symbol is used in the abbreviated terms to indicate normal (n-) linear alcohols.

¹⁾ International Union of Pure and Applied Chemistry

²⁾ Chemical Abstracts Service Registry Number.



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