

ICS 13.040.40

CCS Z 67



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 14554-1993

Replacing GBJ 4-1973

Emission standards for odor pollutants

恶臭污染物排放标准

Issued on: July 19, 1993

Implemented on: January 15, 1994

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Foreword

This document was issued on 19 July 1993 by the State Bureau of Technical Supervision, and took effect on 15 January 1994.

It replaces GBJ 4-1973, which is superseded.

Classification: ICS 13.040.40, CCS Z 67.

It is a GB standard without the /T suffix: compliance is mandatory in China.

1 Scope

GB 14554 is the standard that governs smell. It sets limits on eight odorous substances - ammonia, trimethylamine, hydrogen sulphide, methyl mercaptan, methyl sulphide, methyl disulphide, carbon disulphide and styrene - plus a limit on odour concentration itself as determined by a sensory panel, which is what makes it unusual: the compliance test is a human nose, not only an instrument. It applies at the boundary of plants that generate odour, from rendering and wastewater treatment to chemical works, and it is still in force after more than thirty years. Issued on 19 July 1993, in force since 15 January 1994. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the edition it replaces are taken from there. The clause text, the tables and the numeric limits are not reproduced on this page - they are in the document itself, which is delivered in full in English translation.

About this edition

GB 14554-1993 is the current edition. It was issued on 19 July 1993 and has been in force since 15 January 1994, replacing GBJ 4-1973.

GBJ 4-1973 has been superseded: a specification that still cites it is citing a withdrawn edition.

The interval between issue and effect is the transition period. It exists so that producers, laboratories and buyers can requalify products, revise procedures and use up documentation before the new text becomes the one that applies. The date on this page is the official one from the record of the Standardization Administration.

Classification and status

GB 14554-1993 is classified under ICS 13.040.40. ICS is the International Classification for Standards, the same scheme used by ISO and by the national bodies of most countries, which is what allows a Chinese standard to be placed beside its foreign counterparts on subject rather than on number.

Its Chinese Standard Classification code is CCS Z 67. CCS is the domestic scheme, a letter for the sector and two digits for the subject within it, and it is the code by which the standard is filed and searched in China.

The GB prefix marks a mandatory national standard. Compliance is required by law within China: it applies to what is made, sold or imported there, and an inspection body will judge a product against it whether or not a contract names it.

How a Chinese national standard is set out

Chinese national standards are drafted to the rules of GB/T 1.1, which fixes the order in which a standard is set out. The document opens with a foreword recording the issuing bodies, the relationship to any previous edition and the technical committee responsible for it. Clause 1 is the scope. Clause 2 lists the normative references - the other standards that have to be applied together with this one, and without which its requirements cannot be met. Clause 3 gives the terms and definitions. The technical clauses follow: the requirements themselves, the test or measurement methods by which conformity is established, the inspection rules that say how a lot is sampled and judged, and, for a product standard, the provisions on marking, packaging, transport and storage. Annexes, normative or informative, come last.

GB 14554-1993 runs to 15 pages in the English translation. What is delivered is the complete document in that order: every clause, every table, every figure and every annex of the Chinese original, with the same numbering, so that a reference to a clause number in a contract or a test report points to the same place in both languages.

About this English translation

The English edition of GB 14554-1993 is a full translation of the official Chinese text, not a

summary, an abstract or a machine rendering left unchecked. Clause and subclause numbers, table and figure numbers and annex letters are those of the original, because they are what a specification, a purchase order or a test report cites.

Technical terms are translated against the vocabulary standards of the same field, so that a term used in GB 14554-1993 reads the same way as in the other Chinese standards it is used beside. Where a term has an established English form in an ISO or IEC document on the same subject, that form is used; where China's term has no foreign counterpart, it is translated literally and the Chinese is kept alongside it rather than replaced by an approximation.

Quantities, units and symbols are carried over unchanged. Chinese standards use SI, so a value in the translation is the value in the original document, not a conversion, and a limit read from the English text is the limit that will be applied by a Chinese inspection body reading the Chinese one.

This page is compiled from the official publication record: the standard number and both titles, the issuing bodies, the dates of issue and effect, the edition it replaces, the ICS and CCS classification. The requirements, limits, tables and test conditions are in the document itself.