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

GB/T 18867-2025

Replacing GB/T 18867-2014

Electronic gas - Sulphur hexafluoride

电子气体 六氟化硫

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 18867-2014 "Gas Sulfur Hexafluoride for Electronic Industry". Compared with GB/T 18867-2014, In addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the scope (see Chapter 1, Chapter 1 of the 2014 edition);
- Changed the technical requirements that sulfur hexafluoride should meet (see Chapter 4, Chapter 3 of the 2014 edition);
- Changed the sampling requirements (see Chapter 5, 4.1.3, 4.1.5 of the 2014 edition);
- Changed the purity calculation method (see 6.1, 4.2 of the 2014 edition);
- Changed the determination method of oxygen argon, nitrogen, carbon tetrafluoride, carbon monoxide, carbon dioxide and methane content (see 6.2, 2014 edition 4.3);
- Added the determination method of hydrogen, hexafluoroethane and octafluoropropane content (see 6.2);
- Added requirements for exhaust gas treatment (see 6.6);
- Changed the inspection rules (see Chapter 7, 4.1 of the 2014 edition);
- Changed the requirements for marking, packaging, transportation and storage (see 8.1, 8.2, 5.1 of the 2014 edition);
- Changed the content of safety information (see 8.3, 5.2 of the 2014 edition).

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Technical Committee for Semiconductor Equipment and Materials Standardization (SAC/TC203).

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This document was first published in 2002, revised for the first time in 2014, and this is the second revision.

1 Scope

This document specifies the technical requirements, sampling, inspection rules, marking, packaging, transportation, storage of sulfur hexafluoride for electronic use, and describes the corresponding The test method provides safety information for sulfur hexafluoride.

This document applies to sulfur hexafluoride for electronic use obtained by purifying industrial sulfur hexafluoride as raw material.

2 Normative references

GB 190

GB/T 4844
GB/T 5099
GB/T 5832.3
GB/T 7144
GB/T 11640
GB/T 12022
GB/T 14193
GB 15258
GB/T 16804
GB/T 28726
GB/T 33145
GB/T 34528
GB/T 43306

3 Terms and definitions

There are no terms or definitions that require definition in this document.

4 Technical requirements

The technical requirements for sulfur hexafluoride shall comply with the provisions of Table 1.