

ICS 27.010
CCS F 04



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

GB/T 48067-2026

**Test method for pressure fluctuation properties of
thermoacoustic oscillation in the combustion chambers**

燃烧室热声振荡压力脉动特性测试方法

(English Translation)

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Foreword

GB/T 48067-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 28 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 March 2027.

It is under the responsibility of the Standardization Administration of China.

Classification: ICS 27.010; CCS F 04.

1 Scope

This standard describes a test method for the pressure fluctuation properties of thermoacoustic oscillation in combustion chambers. Thermoacoustic oscillation is an unstable interaction between heat release and acoustic waves that can cause vibration and damage in gas turbines, boilers, burners and engines. The document is written for combustion researchers, equipment manufacturers, test laboratories and operators who investigate or verify the stability of combustion systems.

It takes effect on 1 March 2027 and carries the GB/T designation, so it is recommended and not mandatory. A published national test method lets developers and customers compare pressure fluctuation data measured on different equipment. Users should consult the full text for measurement arrangements and reporting, which are not summarized here. Gas turbine and burner developers will find it useful when documenting how combustion stability was checked during development.