

ICS 83.080.01

CCS G 31



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

GB/T 19276.2-2026

Replacing GB/T 19276.2-2003

Determination of the ultimate aerobic biodegradability of plastic materials in an aqueous medium - Part 2: Method by analysis of evolved carbon dioxide

水性培养液中材料最终需氧生物分解能力的测定 第2部分：采用测定释放的二氧化碳的方法

(English Translation)

Issued on: March 31, 2026

Implemented on: October 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of China**

Table of Contents

Foreword
1 Scope
2 Normative references
3 Terms and definitions

Foreword

GB/T 19276.2-2026 is a recommended national standard (GB/T) of the People's Republic of China, issued on 31 March 2026 by the State Administration for Market Regulation and the Standardization Administration of China, with effect from 1 October 2026.

This edition replaces GB/T 19276.2-2003.

The document adopts an international standard (ISO or IEC).

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

Classification: ICS 83.080.01; CCS G 31.

1 Scope

Plastics that are intended to break down in water need a way to show how far they are converted by microorganisms. This standard, Part 2 of the series on aerobic biodegradability in an aqueous medium, specifies a method that analyses the carbon dioxide evolved to determine the ultimate aerobic biodegradability of plastic materials. It is a recommended national standard.

Producers of biodegradable plastics, packaging companies, environmental and materials laboratories, certification bodies and researchers working on degradable polymers can use it. Customers who request biodegradation data for a product may also refer to it as the method behind the claim.

It was issued on 31 March 2026 and takes effect on 1 October 2026. It replaces GB/T 19276.2-2003, so laboratories that use the earlier edition should review their methods and equipment.