

ICS 77.120
CCS H01

YS

**NONFERROUS METALS INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YS/T 1883-2026

**Methods of determination and calculation of heat balance of
oxygen pressure leaching system in zinc hydrometallurgy**

湿法炼锌氧压浸出系统热平衡测定与计算方法

(English Translation)

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Foreword

YS/T 1883-2026 is a recommended industry standard of the People's Republic of China in the Nonferrous Metals sector, approved and issued by the Ministry of Industry and Information Technology on 15 July 2026, with effect from 1 February 2027.

Classification: ICS 77.120; CCS H01.

1 Scope

The document sets out how the heat balance of an oxygen pressure leaching system in zinc hydrometallurgy is determined and calculated. It specifies the basis for determination and calculation, an overview of the equipment and production process flow, the conditions for determination, the items and methods of determination, the material balance, the heat balance, the main technical indicators, and the analysis of results with suggestions for improvement. It applies to heat balance determination and calculation for zinc sulphide concentrate oxygen pressure leaching systems in zinc hydrometallurgy that use oxygen as the oxidant and steam or similar heating media as the initial energy source.

Zinc refineries, energy auditors, process designers, test organisations and consultants can use it. YS/T 1883-2026 is a voluntary standard (code with /T). It was approved and issued by the Ministry of Industry and Information Technology on 15 July 2026 and takes effect on 1 February 2027.