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

GB/T 34332-2017

**Chemical analysis of magnesite and dolomite refractory
products**

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(English Translation)

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Table of Contents

Foreword
1 Scope
2 Normative references

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafted law Amendment uses ISO 10058-1:2008 "Magnesite and dolomite refractory chemical analysis (generation X-ray fluorescence spectrometry) Part 1. Instruments, reagents, method of dissolution and gravimetric determination of silica ", ISO 10058-2:2008 "Methods for Chemical Analysis of Magnesite and Dolomite Refractory Products (Alternative to X-Ray Fluorescence Spectrometry) Part 2. Wet Chemical Analysis" and ISO 10058-3:2008 "Methods for chemical analysis of magnesite and dolomite refractory products (alternative to X-ray fluorescence spectrometry) - Part 3. Fire Flame Atomic Absorption Spectrophotometry (FAAS) and Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES). " this standard and ISO 10058-1:2008, ISO 10058-2:2008 and ISO 10058-3:2008 compared to the structure of more adjustments, Appendix B lists the standard and ISO 10058-1:2008, ISO 10058-2:2008 and ISO 10058-3:2008 section number control List.

This standard compared with ISO 10058-1:2008, ISO 10058-2:2008 and ISO 10058-3:2008 there are technical differences, appendix C lists the technical differences between this standard and ISO 10058-1:2008, ISO 10058-2:2008 and ISO 10058-3:2008 and its original Due to the list.

Please note that some of this document may be patentable. The issuing agencies of this document do not bear the responsibility of identifying these patents.

This standard by the National Refractory Standardization Technical Committee (SAC/TC193) and focal point.

This standard was drafted unit. China Metallurgical Construction Research Institute Co., Ltd., Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Anhui Masteel refractory Material Co., Ltd., Beijing Tongda Refractory Technology Co., Ltd.

1 Scope

This standard specifies the chemical analysis of magnesite and dolomite raw materials and refractory products, including equipment, reagents, sample decomposition, points

Preparation of analytical solution, wet chemical analysis, atomic absorption spectrophotometry and inductively coupled plasma atomic emission spectrometry.

This standard applies to the chemical analysis of magnesite and dolomite raw materials and their refractory products.

The applicable range of analytical items is shown in Table 1.

Table 1 measurement range

Analysis Item Content Range /% Analysis Item Content Range /% SiO₂ 0.1 to 10 MgO 20 to 99.9 Al₂O₃ 0.05 ~ 10 Na₂O 0.01 ~ 1 Fe₂O₃ 0.01 ~ 10 K₂O 0.01 ~ 1 TiO₂ 0.01 ~ 1 Cr₂O₃ 0.01 ~ 3 MnO 0.01 ~ 1 ZrO₂ 0.01 ~ 3 CaO 0.01 ~ 60 P₂O₅ 0.01 ~ 5 LOI 0.01 ~ 60 -the above values are calculated values for loss on ignition.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 601 chemical reagent standard titration solution preparation Preparation of GB/T 602 chemical reagent impurity standard solution (GB/T 602-2002, ISO 6353-1:1982, NEQ)

GB/T 603 chemical reagents used in the preparation of test methods and preparations

(GB/T 603-2002, ISO 6353-1:1982, NEQ) GB/T 6682 analytical laboratory water

specifications and test methods GB/T 8170 rounded repair rules and limit values of the representation and judgment GB/T 32179 refractory chemical analysis wet method, atomic

absorption spectrometry (AAS) and inductively coupled plasma atomic emission General

requirements for spectrometry (ICP-AES) (GB/T 32179-2015, ISO 26845:2008, MOD) ISO

6353-2 Chemical Analysis Reagents Part 2. Specification First Series

(Reagentsforchemicalanalysis-Part 2.

Specifications-Firstseries) ISO 6353-3 Chemical Analysis Reagents Part 3. Specification

second series (Reagentsforchemicalanalysis-Part 3.

Specifications-Secondseries)