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**NATIONAL STANDARD OF THE  
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**Magnesium and magnesium alloy powders for additive  
manufacturing**

增材制造用镁及镁合金粉

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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 is required.

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 by China Nonferrous Metals Industry Association.

This document was prepared by the National Technical Committee on Standardization of Nonferrous Metals (SAC/TC 243) and the National Technical Committee on Standardization of Additive Manufacturing. (SAC/TC 562) jointly managed.

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Magnesium and magnesium alloy powders for additive manufacturing

## 1 Scope

This document specifies the product classification, technical requirements, test methods, inspection rules, packaging, labeling, etc. of magnesium and magnesium alloy powders for additive manufacturing.

Records, transportation, storage, accompanying documents and order contents.

This document applies to magnesium and magnesium alloy powders for additive manufacturing prepared by gas atomization, centrifugal atomization and plasma spheroidization.

## 2 Normative references

GB/T 1479.1

GB/T 1480

GB/T 1482

GB/T 5314

GB/T 13748

GB/T 19077

GB/T 35351

GB/T 41978

## 3 Terms and definitions

The terms and definitions defined in GB/T 35351 apply to this document.

## 4 Product Categories

The products are divided into six brands according to chemical composition. FMg9980, FAZ91D, FZK61M, FAZ31B, FWE43B, FVW63K According to the particle size range, it is divided into two categories. Class I and Class II.

### 5.1 Chemical composition

The chemical composition of the product shall comply with the requirements of Table 1.