

ICS 65.080

CCS G20



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

GB/T 10209.4-2010

Replacing GB/T 10209.4-2001

**Determination of monoammonium phosphate and diammonium
phosphate - Part 4: Particle size**

磷酸一铵、磷酸二铵的测定方法 第4部分：粒度

Issued on: June 30, 2010

Implemented on: January 1, 2011

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

Table of Contents

- 1 Scope
- 2 Normative references
- 4 Instrument
- 5 Steps
- 6 Expression analysis

Foreword

GB/T 10209 "monoammonium phosphate, diammonium phosphate determination method" is divided into four parts.

--- Part 1. total nitrogen content;

--- Part 2. phosphorus content;

--- Part 3. Water;

--- Part 4. granularity. This section is GB/T Part of 410,209. This Part replaces GB/T 10209.4-2001 "monoammonium phosphate, diammonium phosphate particle size determination." The main difference between this version and the previous version is. according to the new requirements of the standard format has been rewritten. This part is proposed by the China Petroleum and Chemical Industry Association. This part of the National Standardization Technical Committee and soil conditioners Fertilizers (SAC/TC105) centralized. This section drafted by: National Fertilizer Quality Supervision and Inspection Center (Shanghai), Liuguo Chemical Corporation. The main drafters of this section. Zhou Yongming, yellow front, business according to Cong Mu Yongfeng, Yang. This section first published in 1988 (GB/T 10211-1988), 2001 on the first amendment. MAP, DAP measurement method Part 4. size

1 Scope

GB/T 10209.4-2010 is the Chinese national standard on determination of monoammonium phosphate and diammonium phosphate - part 4: particle size, in the field of agriculture. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 June 2010 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2011. Classification: ICS 65.080, CCS G20. This page is published from the official record

of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section provides GB/T 10209.4 measured by sieving granular monoammonium phosphate, diammonium phosphate particle size. This section applies to a variety of granular MAP production process, diammonium phosphate particle size measurement.

2 Normative references

The following documents contain provisions which, through reference

GB/T 10209 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 6003.1-1997 woven wire mesh test sieve (eqv

ISO 3310-1.1990) Principle

3 By sieving granular monoammonium phosphate, diammonium phosphate into different particle diameters, weighing, calculate the mass fraction.

4 Instrument

4.1 laboratory equipment generally;

4.2 Balance. a sense of the amount of 0.5g;

4.3 test sieve (GB/T 6003.1-1997R40/3 series). a pore diameter of 1.00mm, 4.00mm sieve set, with cover and sieve Chassis;

4.4 sieve shaker.

5 Steps

By 1.00mm and 4.00mm sieve apertures sequentially folded by the first, laboratory sample weighed about 200g, accurate to 0.5g, Pore \u200b\u200b size is placed on the 4.00mm sieve, sieve cover lid placed on the sieve shaker, clamping, vibration 5min, the chassis and 4.00mm aperture sieve Weighing on the sample, caught in the meshes of the particles does not pass through the sieve meter. NOTE. If there is no vibration sieve, vibrating sieve can be used manually, but using a sieve shaker arbitration.

6 Expression analysis

Size (w), to a particle size 1.00mm ~ 4.00mm particulate quality of the sample mass fraction, expressed in%, according to equation (1) Calculated. $w = \frac{m_1 - m_2}{m_1} \times 100$ (1)

Where. Value m_1

--- sample mass, in grams (g); m_2

--- 4.00mm aperture sieve and sample the quality of the chassis and, in grams (g).

Calculation result to one decimal place.