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AGRICULTURAL INDUSTRY STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA

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Replacing NY 1110-2006

**Water-soluble Fertilizers - Content-limits of
Mercury, Arsenic, Cadmium, Lead and
Chromium**

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Water-soluble Fertilizers - Content-limits of Mercury, Arsenic, Cadmium, Lead and Chromium

1 Scope

This Standard specifies the content-limits, test methods, inspection rules and product mark of mercury, arsenic, cadmium, lead and chromium in water-soluble fertilizers.

This Standard is applicable to liquid or solid water-soluble fertilizers that are produced and sold within the territory of the People's Republic of China.

2 Normative References

The following documents are indispensable to the application of this Standard. In terms of references with a specified date, only versions with a specified date are applicable to this Standard. The latest version (including all the modifications) of references without a specified date is also applicable to this Standard.

GB/T 6679 General Rules for Sampling Solid Chemical Products

GB/T 6680 General Rules for Sampling Liquid Chemical Products

GB/T 8170 Rules of Rounding-off for Numerical Values & Expression and Judgement of Limiting Values

NY/T 1978 Fertilizers - Determination of Mercury, Arsenic, Cadmium, Lead and Chromium Content

NY 1979 Fertilizer Registration - Tech-regulations of Fertilizer Labels

Product Quality Arbitration, Inspection and Product Quality Assessment Management Measures

3 Terms and Definitions

The following terms and definitions are applicable to this Standard.

3.1 Water-soluble Fertilizers

Water-soluble fertilizers refer to liquid or solid fertilizers that are dissolved or diluted with water for the purposes of irrigation, fertilization, foliar fertilization, soilless cultivation, seed soaking, etc.

6.3 The sampling of solid or bulk products shall comply with the stipulations in GB/T 6679. The sampling of fluid products shall comply with the stipulations in GB/T 6680.

6.4 The sample shall be placed in a clean and dry container, mixed promptly. Take 600 g of solid sample or 600 mL of fluid sample; divide it into 2 clean and dry containers; seal them up and put on a label. Indicate the name of manufacturer, the name of product, batch number or date of production, date of sampling and the name of sampler.

6.5 After several divisions of solid sample, take out around 100 g. Then, promptly grind it till it can completely pass through 0.50 mm sieve (if the sample is moist, it can pass through 1.00 mm sieve). Mix it up, then, place it in a clean and dry container; reserve it for determination.

6.7 When manufacturing enterprise conducts the exit-factory inspection, if one or more indicators in the inspection result cannot comply with the requirements of this Standard, then, re-take a sample from the doubled sampling batch, and conduct re-inspection. If one or more indexes in the re-inspection result cannot comply with the requirements in this Standard, the whole batch of products shall not be considered as qualified in acceptance check.

6.8 In the determination of product quality, adopt "rounding-off comparison method" in GB/T 8170.

6.10 When there is dispute between the supply side and the demand side about product quality and demand arbitration, it shall be executed in accordance with the stipulations in Product Quality Arbitration, Inspection and Product Quality Assessment Management Measures.

7 Mark

7.1 Product quality certificate, packaging and label shall indicate the maximum content-limits of mercury, arsenic, cadmium, lead, chromium, and other contents that shall be indicated.

7.2 For other requirements, it shall comply with the stipulations in NY 1979.

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