

JJF

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

JJF 1070.2-2011

**Rules of metrological testing for net quantity of wheat flour
products in prepackages with fixed content
(English Translation)**

Issued on: September 14, 2011

Implemented on: December 14, 2011

Issued by: General Administration of Quality Supervision, Inspection

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Declaration

1 Scope

These Rules specify the metrological requirements, metrological testing, result evaluation and report, methods for sampling and sample reduction, methods for determination of moisture content, methods for tare removal, original testing records and testing report format of the wheat flour products.

These Rules are applicable to the metrological supervision and inspection, arbitration and verification for net quantity of wheat flour products in the fields of production and circulation. The entrusted testing may be carried out with reference to these Rules. The units for the production and sales of wheat flour products may also be tested with reference to these Rules.

The wheat flour products to be tested shall be the products passing the producer self-testing, or the wheat flour products imported and distributed by the sellers.

These Rules are applicable to the wheat flour products using paper, non-woven fabrics, woven bags and other breathable materials as packaging.

2 Normative references

JJF 1070-2005 Rules of metrological testing for net quantity of products in prepackages with fixed content

5.3.1 Scale or balance. It has been verified to be qualified. The accuracy

level and division value shall conform to the requirements of Subclause 5.1 in these Rules.

5.3.2.1 Powder grain sampler

USE a powder grain sampler to sample the test pieces for the determination of moisture in wheat flour products. The total length is about 55cm. The opening is about 35cm long and 0.6cm to 0.7cm wide, and the maximum external diameter of its sharp end is about 1cm.

5.3.2.2 Vessels containing the moisture samples to be determined

- a) The vessels shall be clean and have a good airtight performance, with no insects, leakage or contamination.
- b) Sample bags. small pockets made of polyethylene and other plastics, with a bearing capacity of not less than 100g.

Sample bottles. ground-glass stoppered flasks in general, with a bearing capacity of not less than 100g.

5.3.3 Equipment and appliances for moisture determination

Electro-thermal constant temperature incubator (hereinafter referred to as "constant temperature incubator");

Balance. $d = 0.1\text{mg}$;

Dryer with allochroic silica gel (allochroic silica gel can no longer be used once it turns red, and thus it shall be used when totally becoming blue after being dried at 130°C to 140°C);

Aluminum case. with an inner diameter of 4.5cm or a diameter of 5.5cm, a height of 2.0cm.
2 aluminum cases shall be prepared at least.

5.4.1 Determination of inspection lot

The inspection lot of wheat flour products shall be the products passing the manufacturer self-inspection, or the wheat flour products in the sales field.

The samples taken shall be the wheat flour products of the same batch, the same production date, the same specifications and the same packaging materials.

Actual quantity (qi) of sample = Actual total weight (GWi) of sample - Tare (Pi) (2) (3)
CALCULATE the actual quantity deviation (D) of the sample
Actual quantity deviation (D) of sample = Actual quantity (qi) of sample - Labeled net quantity (Qn) (3)

5.4.4.3 Determination of actual moisture in wheat flour products

- 1) The sampling and sample reduction shall be performed in accordance with the requirements of Annex A -- Methods for sampling and sample reduction in these Rules.
- 2) The actual moisture in wheat flour products shall be determined according to the Annex B Methods for determination of moisture content in these Rules.
- 3) Using method of actual moisture content (1) Production field.

When the moisture content determined is less than or equal to the maximum allowable value, the moisture correction will not be calculated. The original record and data processing shall be performed according to the Subclause 5.4.4.7.

When the actual moisture content determined is greater than the max permit moisture value in the product standard, the moisture variation and moisture correction shall be calculated according to the Subclause 5.4.4.4. The original record and data processing after moisture correction shall be performed according to the Subclause 5.4.4.8.

(2) Circulation field.

The moisture variation and moisture correction shall be calculated according to the Subclause 5.4.4.4. The original record and data processing after moisture correction shall be performed according to the Subclause 5.4.4.8.

5.4.4.4 Calculation of moisture variation (Mb) and moisture correction

After determining the...