

ICS 65.120

NY

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

NY/T 118-2021

**Feed material - Lemma Barley (*Hordeum vulgare* L.)
(English Translation)**

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Foreword

This Document was drafted as per the rules specified in GB/T 1.1-2020 Directives for Standardization - Part 1: Rules for the Structure and Drafting of Standardizing Documents.

This Document replaced NY/T 118-1989 Barley (*Hordeum Vulgare* L.) for Feedstuffs.

Compared with NY/T 118-1989, the changes in major contents of this Document are as follows

besides the structural adjustments and editorial modifications:

- a) The name of the standard is changed from Barley (*Hordeum Vulgare* L.) for Feedstuffs to Feed Material - Lemma Barley (*Hordeum Vulgare* L.);
- b) Modify the Scope of the standard (see Clause 1 of this Edition);
- c) Modify the Normative Reference (see Clause 2 of this Edition);
- d) Add a clause on Terms and Definitions (see Clause 3 of this Edition);
- e) Merge the 5 clauses of Sensory Properties, Moisture, Inclusions, Quality Indicators and Grading Standards, and Hygienic Standards in the original standard into 1 clause (see Clause 4 of this Edition; Clauses 3~6 and Clause 8 of the 1989 Edition);
- f) Modify the sensory properties in the original standard as appearance and properties; modify fresh and consistent color to consistent color; modify no fermentation or mildew to no obvious insects; merge the inclusions requirements to appearance and properties

(see 4.1 of this Edition);

g) Add the thousand-seed weight indicator; and use as a grading standard (see 4.2 of this Edition);

h) Modify the crude ash grading standard (see 4.2 of this Edition; 6.1 of the 1989 Edition);

i) Modify the crude protein grading standard (see 4.2 of this Edition; 6.1 of the 1989 Edition);

j) Modify the crude fiber grading standard (see 4.2 of this Edition; 6.1 of the 1989 Edition);

k) Add a clause on Sampling (see Clause 5 of this Edition);

l) Add the Sensory Inspection and Test Methods for Determination of Thousand-Seed Weight (see 6.1 and 6.2 of this Edition);

m) Modify the Inspection Rules (see Clause 7 of this Edition);

n) Modify Marking, Packaging, Transportation and Storage (see Clause 8 of this Edition).

Please note some contents of this Document may involve patents. The issuing agency of this

Document shall not assume the responsibility to identify these patents.

Feed Material - Lemma Barley (*Hordeum Vulgare* L.)

1 Scope

This Document specifies the requirements, sampling, test methods, inspection rules, labeling,

packaging, transportation and storage of lemma barley as feed material.

This Document applies to lemma barley as feed material, i.e., hulled barley kernels.

2 Normative References

The provisions in following documents become the essential provisions of this Document through reference in this Document. For the dated documents, only the versions with the dates

indicated are applicable to this Document; for the undated documents, only the latest version

(including all the amendments) is applicable to this Document.

GB 5009.3 National Food Safety Standard - Determination of Moisture Content in Foods

GB/T 5519-2018 Cereals and pulses - determination of mass of 1000 grains

GB/T 6432 Determination of crude protein in feeds - Kjeldahl method

GB/T 6434 Feeding stuffs - Determination of crude fiber content - Method with intermediate

GB/T 6438 Animal feeding stuffs-Determination of crude ash

GB/T 8170 Rules of rounding off for numerical values & expression and judgement of limiting values

GB 13078 Hygienical standards for feeds

GB/T 14699.1 Feeding stuffs - Sampling

GB/T 18823 Permitted tolerant for judgement of testing results in feeds

3 Terms and Definitions

For the purposes of this Document, no terms or definitions apply.

6.3 Crude ash

It shall be implemented according to the provisions of GB/T 6438.

6.4 Crude protein

It shall be implemented according to the provisions of GB/T 6432.

6.5 Crude fiber

It shall be implemented according to the provisions of GB/T 6434.

6.6 Moisture

It shall be implemented according to the provisions of GB 5009.3.

7.1 Batching

The lemma barley of the same type, origin, year of harvest, storage unit or transportation unit

shall be one batch; but each batch shall not exceed 100 t.

7.2.1 All the inspected items meet the requirements of Clause 4. If there are grading indicator

requirements, they must all meet the requirements of the corresponding grade; and then the product of this grade is judged to be qualified.

7.2.2 If any indicator in the inspection results does not meet the requirements of this Document,

re-inspection can be carried out by double sampling from the same batch of products. If the re-

inspection results still do not meet the requirements of this Document, it is determined that this

batch of products is unqualified. Microbiological indicators shall not be re-inspected.

7.2.3 The allowable error for the test results of the determination of physical and chemical

indicator shall be in accordance with the provisions of GB/T 18823.

7.2.4 The determination of the limit value of each item indicator shall be carried out according

to the full value comparison method in GB/T 8170.

8.1 Labeling

The name, type, grade, origin and year of harvest of the product shall be indicated on the