

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

SJ/T 11795-2022

**Test method for determining magnetic impurity content of
electrode materials in lithium ion batteries
(English Translation)**

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1 Scope

This Part of SN/T 0800 specifies the methods of sampling and preparation of samples of inspection of cereals, oils and feedstuffs for import and export.

This Part is applicable to the sampling and sample preparation for inspection of cereals, oils and feedstuffs for import and export.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 5494, Inspection of grain and oils - Determination of foreign matter and unsound kernels of grain and oilseeds

GB/T 5502, Inspection of grain and oils - Determination of milling degree of rice

GB/T 5524, Animal and vegetable fats and oils - Sampling

GB/T 10361, Wheat rye and respective flours durum wheat and durum wheat semolina - Determination of the falling number according to Hagberg-Perten

GB/T 15687, Animal and vegetable fats and oils - Preparation of test sample

3 Terms and definitions

For the purposes of this document, the terms and definitions defined in SN/T 0798 apply.

4.1 General provisions

In accordance with the provisions of SN/T 0799.

4.2.1 Batches of cereals, oils and feedstuffs

The requirements for batches are as follows.

4.2.2 Batches of grease

The amount of grease delivered in a single contract or transport document.

5.1 Single tube sampler

Applicable to the sampling of bagged cargo. There are three types that are commonly used.

5.2 Double-sleeve sampler and slot receiver

Applicable to sampling of bulk static cargo.

According to the actual loading transport tools, the size of the cargo, the storage of cargo, use double sleeve sampler of different specifications, length.

5.3 Sampling shovel

The shovel length is about 13cm, the width is about 8cm, the side height is about 4cm, the handle length is about 8cm. See Figure A.1 of Annex A.

5.4 Automatic mechanical sampling device

Applicable to dynamic cargo sampling. The device mainly consists of four parts.

5.5 Deep-layer sampler

A semi-automatic sampling device that mainly consists of several connectable stainless steel sampling tubes, an electric suction host, sample collection device and base or strap, of which its sampling tube can be assembled to a length of about 30m as required to extract deep-layer sample of the cargo.

5.6 Other sampling tools

5.6.1

ellis cup

A manual sampling device made of lightweight aluminum for drawing samples from cargo running on conveyor belts.

5.9 Sample dividing cloth or suitable bedding

Plastic film or other material bedding for on-site sample processing.

5.10 Sample bag (tube)

Container made of strong, hygienic material that can seal.

5.11 Bottom sampler

This bottom sampler (see Figure A.2) is of stainless steel structure and is suitable for withdrawing bottom samples from liquid oil contained in tanks or oil tanks.

5.12 Simple counterweight sampling tank

The simple counterweight sampling tank (see Figure A.3) is suitable for sampling at different depths in a variety of storage tank.

5.14 Tube sampler

Applicable to sampling of paste grease. (See Figure A.5). It is a stainless steel device consisting of two concentric tubes of the same length and close together, one of which can rotate in the other tube. Each tube has a longitudinal opening.

5.15 Sampling probe

Sampling probe (see Figure A.6) is used for stearin sampling. It is made of stainless steel, with semi-circular or C-shaped cross section. When it is twisted and inserted into grease, it shall obtain a sample of oil.

5.18 Sample bottle

Plastic bottle or glass bottle, capacity of 250mL ~ 1000mL.

5.19 Stainless steel spoon

Total length is 15cm ~ 20cm, handle length is 10cm ~ 15cm, the spoon is elongated and elliptical.

5.20 Other sampling and sample preparation tools and devices

Other tools and devices for sampling and sample preparation.

6.1 Warehouse or storage tank sampling

The cargos are stored in warehouses, cabins or storage tanks, sampled in batches.

6.2 Sampling when unloading

Perform cargo sampling during loading and unloading.

7.1.1.1 Determination and requirements of sampling amount, site

7.1.1.1.2

Bulk stacking

The bulk open stacking sets a sampling zone with an area not exceeding 50m², a height of about 1.5m. 5 sampling points are evenly set up in each zone. When it exceeds the specified area, it shall increase the number of sampling point proportionally. Stacking height in principle does not exceed 1.5m.

7.1.1.1.4

Ship-cabin

Based on different loading number of single ship, perform the sampling according to the following methods.

7.1.1.1.5

Silo

In general, no manual sampling is used in the silo. For silos with mechanized sampling equipment, the cargo entering and exiting the silo adopts the device specified in 5.4. Extract a small batch of samples when 1000t enters and exists the silo. According to the unloading flow rate, set the device sampling frequency at least 50 times.

7.1.1.1.6

Container bulk

If the number of cargo submitted for inspection of same inspection number, same variety, same level is less than 10000t, extract one original sample per

500t. The sample number is not less than 5kg. When it is less than 500t, it shall be calculated as 500t and extract one original sample.