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

GB/T 47567-2026

**Milking and cooling machine installations - Monitoring device
for bulk milk cooling tanks - Requirements**

挤奶和冷却设备 散装乳冷却罐监测装置 要求

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is modified to adopt ISO 23130:2020 "Milk and cooling equipment - Requirements for monitoring devices for bulk milk cooling tanks".

Compared with ISO 23130:2020, this document has undergone the following structural adjustments.

---The title of 4.2.1 has been removed;

---4.2.2~4.2.10 correspond to 4.2.1.1~4.2.1.9 in ISO 23130:2020, respectively.

The technical differences between this document and ISO 23130:2020, and the reasons therefor, are as follows.

---ISO 3918 (see Chapter 3) has been replaced with the normatively referenced GB/T 5981 to adapt to my country's technical conditions and increase operability.

Actual nature;

---ISO 5708 (see Chapter 3, 4.1.2.1) has been replaced with the normatively referenced GB/T 10942 to adapt to my country's technical conditions.

Increase operability.

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Machinery Industry Federation.

This document is under the jurisdiction of the National Technical Committee on

Standardization of Agricultural Machinery (SAC/TC201).

1 Scope

This document specifies the minimum performance and information requirements for monitoring devices used in bulk milk cooling tanks, as well as the minimum requirements for materials, design, and installation.

This document applies to the installation and use of monitoring devices for bulk milk cooling tanks in milking and cooling equipment in agricultural production.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included.

For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies.

This document.

GB/T 5981 Milking Equipment Vocabulary (GB/T 5981-2011, ISO 3918:2007, IDT) GB/T 10942 Refrigerated tanks for bulk milk (GB/T 10942-2017, ISO 5708:1983, MOD)

3 Terms and Definitions

The terms and definitions defined in GB/T 5981 and GB/T 10942, as well as the following terms and definitions, apply to this document.

monitoring device

A device for measuring, recording, and evaluating specific technical or operational parameters of bulk milk tanks.

First batch of milk

The amount of milk loaded into the tank during the time period from T0 to T1.

Note: See Table 2 and Figure 1.

Blended batch

The amount of milk stored during the time period from T1 to T2.

Note: See Table 2 and Figure 1.

milk

The total amount of milk dispensed during the time period from T0 to T2.

Note: See Table 2 and Figure 1.

4.1.1 Functionality and Applicability

4.1.1.1

Monitoring devices should be included in the equipment manufacturer's conformity assurance procedures to ensure they meet safety and hygiene requirements.