

PHILIPPINE NATIONAL STANDARD

PNS/BAFS 320:2021
ICS 65.020.01

Production of Halal Raw Milk – Code of Practice



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Foreword

In 2018, the National Dairy Authority (NDA) of the Department of Agriculture (DA) proposed to develop a Philippine National Standard (PNS) on the COP for the Production of Halal Raw Milk to incorporate the halal principles in the production of raw milk and promote halal raw milk production. The Technical Working Group (TWG) tasked to develop the PNS was created through Special Order (SO) No. 1092, series of 2018 (Creation of TWGs for the Development of PNS for Agriculture and Fisheries Products and Machinery, Tools, and Equipment), SO No. 442, series of 2020 [Creation of Technical Committees [TCs] and its TWG for the Development of PNS for Agriculture and Fisheries Products, Machinery, and Structures], and SO No. 81, series of 2021 (Creation of TWG for the Development of PNS for Agriculture and Fishery Products, Machinery, Tools, and Equipment). The TWG was composed of representatives from the relevant government agencies, academe, research institution, and private sector. The draft PNS underwent a series of TWG meetings and stakeholder consultations conducted face-to-face and via online platforms before its endorsement to the Secretary for approval.

This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2.

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1 Scope

This standard sets out the minimum requirements for the primary and post-harvest handling of raw milk from cattle, carabao or water buffalo, and goat intended for further processing in compliance with Halal principles.

2 Normative References

The following documents are referred to in the text in such a way that some or all of their contents constitute the requirements 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:

- Bureau of Agriculture and Fisheries Standards (BAFS) – Department of Agriculture (DA). (2015). Halal feeds (PNS/BAFS 139:2015).
http://www.bafs.da.gov.ph/bafs_admin/admin_page/pns_file/2021-02-24-PNS%20BAFS%20139-2015%20Halal%20Feeds.pdf
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[http://www.bafs.da.gov.ph/bafs_admin/admin_page/pns_file/PNSBAFS1012016HalalAgricultureandFisheriesProducts%20\(1\).pdf](http://www.bafs.da.gov.ph/bafs_admin/admin_page/pns_file/PNSBAFS1012016HalalAgricultureandFisheriesProducts%20(1).pdf)
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3 Terms and Definitions

For the purpose of this document, the following terms and definitions apply:

3.1**competent authority**

agency having jurisdiction

3.2**farm operator****farm owner**

legal entity who is responsible for the management and general operation of the farm; the terms may be used interchangeably

3.3**halal**

Arabic term which means matters that are permissible or lawful in Islam according to *Shariah* and *fatwa*

3.4**halal certifying body (HCB)**

Muslim Filipino people's organization (PO), non-government organization (NGO) or foreign Muslim organization, composed of Muslim scholars and professionals, providing auditing and certification services to ensure that specified requirements relating to a product, process, and system are fulfilled in accordance with *Shariah*

3.5***haram***

Arabic term which means unlawful, forbidden and/or prohibited or non-halal according to *Shariah*

3.6***najis***

Arabic term for unclean according to *Shariah*, which are as follows:

3.6.1 dogs and pigs and their descendants;

3.6.2 halal foods that are contaminated with things that are non-halal;

3.6.3 halal foods that come into direct contact with things that are non-halal;

3.6.4 any liquid and object discharged from the orifices of human beings or animals such as urine, blood, vomit, pus, excrement, and placenta;

3.6.5 carrion or halal animals that are not slaughtered according to *Shariah* and *fatwa* except for aquatic animals and certain insects; and

3.6.6 *khamr*, Arabic term for intoxicant, and food, beverages, or items which contain or mixed with *khamr*.

3.7***sertu***

ritual cleansing

3.8

***Shariah* (Islamic law)**

order of Allah which relate to the action of the people who are being accountable (*mukallafah*) by obligation, opinion or *al wadhu* (a requirement prior to the implementation of any *Shariah*, e.g. adhering to prayer time is the requirement for prayer to be valid)

4 Minimum Requirements for Husbandry Practices

The minimum requirements for husbandry practices should be in accordance with PNS/BAFS 199: 2017 (GAHP for dairy cattle and water buffalo), PNS/BAFS 201:2017 (GAHP for goat), and PNS/BAFS 259:2018 (Code of halal goat production). In addition:

4.1 Responsibilities of the Farm Operators and Workers

4.1.1 The farm operator should be preferably Muslim and farm workers should undergo halal milk production training. Non-Muslims can be a farm operator provided that they comply with the provisions stated in this Code.

4.1.2 The farm management should provide sufficient resources (e.g. personnel, facility, financial, and infrastructure) to implement the halal standards and regulations and maintain its halal integrity.

4.1.3 The farm management should provide a designated prayer area for Muslim workers.

4.1.4 The farm should obtain the necessary regulatory requirements from the NDA-DA as the competent authority for dairy and halal certificate from an accredited HCB.

4.2 Farm Location

The farm shall be located at least 200-300 meters away from the *najis* and *haram* such as but not limited to piggery farm and communal grazing areas, considering the wind direction and water flow to prevent cross-contamination.

4.3 Site History

If there are available data or information from relevant government agencies or organizations on the prior land use, then it should be used to establish that the site is not a possible source of *haram* contaminants. Moreover, if the area is previously used for non-halal animals, it shall undergo cleansing for two years and should be done in accordance with *Shariah*.

4.4 Feeding Management

4.4.1 Any grazing management is acceptable provided it meets the requirements of *Shariah* aside from adherence to quality, hygiene, and welfare standards.

4.4.2 For semi-confinement (strategic grazing), animals should have access to different grazing areas free from *najis*.

4.4.3 Farm worker should ensure that dairy goats, cattle, and water buffalo or carabao are grazed in/or provided with forages from clean and *najis*-free pastures or forage area.

4.4.4 The feed and nutrition should be in accordance with PNS/BAFS 139:2015 (Halal feeds).

4.4.5 The feed mixing equipment should be kept clean at all times and have regular preventive maintenance schedule and should be dedicated solely for halal feed.

4.5 Animal Health Management

Drugs, medicines, and vaccines should not be made from non-halal animals or sources.

5 Minimum Requirements for Hygienic Milking

The minimum requirements for hygienic milking should be in accordance with PNS/BAFS 210: 2017 (COHP for milk), PNS/BAFS 199: 2017 (GAHP for dairy cattle and water buffalo), PNS/BAFS 201:2017 (GAHP for goat), and DA-NDA Administrative Circular No. 4-2019 (The dairy safety regulations). In addition:

5.1 Training

Farm personnel involved in the harvesting, collection, storage, and transport of raw milk should be trained as necessary and have appropriate skills and or training in halal principles.

5.2 Milking Implements

The milking implements should comply with the following:

5.2.1 Utensil, machines and other similar equipment used in milking should not be made of or contaminated with *najis* and should be only used for halal products;

5.2.2 Utensils, machines and other similar equipment which were previously used or in contact with *najis* should be washed and ritually cleansed. Annex A (Method of *Sertu* according to *Shariah* for *najis al-mughallazah*) provides for the method for *sertu* as required by *Shariah*; and

5.2.3 Milking area used for non-halal and those exposed to *najis* can be converted to halal milking area by washing and ritual cleansing (*sertu*) in conformance with *Shariah*. Conversion from non-halal to halal should only be done once and should be supervised and verified by the accredited HCB.

6 Suitability of Milk

The suitability of raw milk should be in accordance with PNS/BAFS 210: 2017 (COHP for milk), PNS/BAFS 199: 2017 (GAHP for dairy cattle and water buffalo), PNS/BAFS 201:2017 (Code of GAHP for goats), and NDA-DA Administrative Circular No. 4-2019 (The dairy safety regulations). In addition:

6.1 Raw milk should be segregated and/or stored separately from non-halal products.

6.2 Raw milk should not contain any contaminants that compromises halal integrity.

7 Collection, Storage, Transport, and Delivery of Milk

The collection, storage, transport, and delivery of raw milk should be in accordance with PNS/BAFS 210: 2017 (COHP for milk), PNS/BAFS 199: 2017 (GAHP for dairy cattle and water buffalo), PNS/BAFS 201:2017 (Code of GAHP for goats), and NDA-DA Administrative Circular No. 4- 2019 (The dairy safety regulations). In addition:

7.1 All raw milk covered by this standard should be kept segregated at every stage from non-halal products while being stored or transported to prevent them from being mixed or contaminated. Any contact with non-halal in its strict sense would render halal food products non-halal; and

7.2 Storage and transport facilities should be kept clean at all times and dedicated for halal use and halal food only.

8 Documentation and Record Keeping

Documentation and record keeping should be in accordance with PNS/BAFS 210: 2017 (COHP for milk), PNS/BAFS 199: 2017 (GAHP for dairy cattle and water buffalo), PNS/BAFS 201:2017 (Code of GAHP for goats), and any other relevant policy issuances of NDA-DA related to dairy.

Annex A
(Normative)

Method of *sertu* according to *Shariah* for *najis al-mughallazah*

A.1 General requirements

The *najis*, whether visible (*ainiah*) or invisible (disappeared or dried up, etc.) is named *hukmiah*. To clean *najis*:

- a. It is required to wash seven times, one of which shall be water mixed with soil;
- b. The first wash shall be to clear the existence of *najis*, even if a few washes are needed. The water from the first cleaning shall not remain behind and the next wash shall be counted as a second wash;
- c. The amount of soil used is just enough to make suspension; and
- d. The usage of a product containing soil is permitted.

A.2 Conditions of soil

The condition of soil are:

- a. free from *najis*; and
- b. not *musta'mal* soil (which had been used for dry ablution [*tayammum*] except after subject to heavy rain).

A.3. Conditions of water

The conditions of water shall be:

- a. clean and natural (*mutlaq*);
- b. not *musta'mal* (*water that has been used in ablution*); and
- c. free from *najis*.

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