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Milk and dairy products – summary of European legislation, hygiene manuals, ISO standards and *Codex Alimentarius* standards

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ABSTRACT

European Union legislation laying down rules for the dairy sector. The legislation defines the conditions under which milk and milk products intended for human consumption can be imported into the EU. Milk and milk products must come only from third countries that appear on the list of authorized countries. Establishments, where milk and milk products are produced, must be approved for export. The TRACES system is used on imports and the consignment must be accompanied by a certificate. This system ensures product traceability and prevents the introduction of diseases. An important role is delegated to the designated border control posts (BCPs) where the appropriate customs and veterinary inspections are performed by government institutions of the country. The European Union has adopted legislation to ensure the safety of food placed on the market in EU member countries. This legislation sets general hygienic requirements for food production based on the good manufacturing practice and the HACCP system. The criteria for microorganisms, chemicals, and applicable food additives are set. Also, the legislation contains requirements for product labeling. Part of the legislation concerns the common organization of the market in milk and milk products. These regulations contain rules for direct payments, subsidies, define the school milk system, etc. Specific legislation creates rules for organic bio food production, for production and labeling of products with the Protected Geographical Indication, Protected Designation of Origin, and Traditional Specialty Guaranteed. There is also legislation that defines the labeling of products intended for specific populations, e.g. gluten-free foods, lactose-free foods, etc. Areas not regulated by the legislation include the labeling of products with certification marks designed to highlight the suitability of food for religious purposes or quality certification.

Keywords: milk, milk products, legislation, standards, *Codex Alimentarius*

INTRODUCTION

European Union legislation contains several pieces of legislation that comprehensively address the entire dairy sector. The legislation defines the conditions under which milk and milk products intended for human consumption can be imported into the EU. Milk and milk products must come only from third countries that appear on the list of authorized countries. Establishments, where milk and milk products are produced, must be approved for export. TRACES is used on import and the consignment must be accompanied by a certificate. This system ensures product traceability and prevents the introduction of diseases [24]. The European Union has adopted several pieces of legislation that establish rules for the production and marketing of safe food in individual EU countries. This legislation sets hygienic limits for the content of foreign substances, and microorganisms define requirements for traceability and labeling of products. Part of the legislation concerns the common organization of the market in milk and milk products. These regulations set out the rules for direct payments, and subsidies. Specific legislation creates rules for organic food production. The European Union also has specific legislation that defines the rules for labeling products with the Protected Geographical Indication, Protected Designation of Origin, and Traditional Specialty Guaranteed. There is also legislation in the EU that define the labeling of products intended for at-risk populations, e.g. gluten-free foods, lactose-free foods, etc. Areas not regulated by the legislation include the labeling of products with certification marks designed to highlight the suitability of a food for religious purposes or quality marks [25]. In this article, we have summarized the legislation

that applies in the European Union for milk and dairy products. In the text and the tables, in most cases, we list the legislation without amendments, which can be found directly in the Eurlex databases we have worked with. In this article, we have summarized the legislation that applies in the European Union, hygiene manuals, ISO standards and *Codex Alimentarius* standards for milk and dairy products.

GENERAL HEALTH RULES

Regulation (EU) No 182/2011 of the European Parliament and of the Council [2016/429](#) [1] of 9 March 2016 on communicable animal diseases and amending and repealing certain acts in the field of animal health and Commission Delegated Regulation (EU) [2020/692](#) [2] supplementing Regulation (EU) of the European Parliament and the Council [2016/429](#) [1] lay down rules concerning the entry into, and the movement and treatment of, consignments of certain products of animal origin after they enter into the Union. The conditions for entry into the Union of raw milk, milk products, colostrum, and colostrum-based products shall be based on the animal health risks posed by those products. These risks are linked to the country or territory of origin or their zone and to the species of animals from which these products were obtained. In the case of milk and colostrum, two diseases are a cause for concern - foot-and-mouth disease and bovine fever virus infection, and therefore raw milk and colostrum should only enter from third countries or territories or zones free of these diseases. Consumer health protection is ensured by the application of several pieces of EU legislation: Regulation (EC) No [178/2002](#) [3], Regulation (EC) No [852/2004](#) [4], Regulation (EC) No [853/2004](#) [5], Regulation (EC) No [2017/625](#) [6], [2019/627](#) [7] form the legal basis for the production, trade and official control of food of animal origin.

IMPORTS OF MILK AND DAIRY PRODUCTS FOR HUMAN CONSUMPTION INTO THE EU

Harmonized EU legislation makes it possible to apply the same requirements for the marketing of milk and milk products in all Member States and prevents milk and milk products that can transmit infectious diseases dangerous to livestock or humans from entering the EU.

These principles also apply to consignments that are under EU transit and/or temporary storage procedures. Depending on the risk they may pose, such consignments are exempted from public health requirements but must comply with veterinary requirements.

In general, the products must come from countries that are allowed to enter milk and dairy products into the EU. The establishment of origin must be approved and authorized as an establishment from which milk and milk products may be imported into the EU.

The third country of origin must have an approved residue control plan.

A non-EU country must meet certain requirements to obtain a marketing authorization for milk and dairy products. The most important aspects to consider before authorization are:

- the organization, structure, competencies, and powers of the veterinary services,
- third-country legislation,
- non-EU country rules on animal disease prevention and control,
- the health status of livestock, other domestic animals and wildlife,
- the regularity and speed of information on infectious animal diseases provided by the third country to the European Commission and the World Organization for Animal Health (OIE),
- hygiene requirements for the production, handling, storage, and dispatch of products of animal origin.

AUDIT

Before a non-EU country obtains authorization to place milk and dairy products on the EU market, the European Commission can carry out an audit to verify that all the criteria set out in EU legislation are properly met.

AUTHORIZED THIRD COUNTRIES AND ESTABLISHMENTS

Based on the principles contained in EU legislation and the results of the Commission's audit, a non-EU country may be included in the list of third countries eligible for the entry of milk and milk products into the EU.

The list of these third countries provides Commission Implementing Regulation (EU) [2021/405](#) [8] of 24 March 2021 establishing the lists of third countries or regions thereof from which, by Regulation (EU) No [2017/625](#) [6] authorizes the entry into the Union of certain animals and goods intended for human consumption. Before exporting milk and dairy products to the EU, the country must be listed.

All imports of milk and milk products into the EU must come from an approved establishment that has been authorized and listed for this purpose. Third countries are responsible for updating the lists of installations and informing the Commission of any changes. Lists of establishments in non-EU countries authorized to produce fresh meat are published on the Commission's website.

CERTIFICATE

Consignments of milk and milk products entering the EU must be accompanied by a CHED certificate. The model certificate is set out in the Commission Implementing Regulation (EU) [2020/2235](#) [9] (Chapter, 33, 34, 25 - sample certificates).

PUBLIC HEALTH

Public health requirements must be met. For example, a non-EU country is required to have an approved monitoring plan for "residues". Products placed on the market in the EU must comply with the requirements of food law, namely Regulation (EC) No [178/2002](#) [3].

BORDER CONTROL

Regulation of the European Parliament and the Council (EU) [2017/625](#) [6] lays down the principles governing the organization of veterinary checks on products of animal origin entering the EU from outside the EU at border inspection posts.

Milk and milk products entering the EU are checked at the EU Border Control Station (BIP) by the Commission Implementing Regulation (EU) [2019/1014](#) [10] laying down detailed rules concerning minimum requirements for border inspection posts, including inspection centers. Member States' official veterinarians ensure that milk and milk products comply with all requirements laid down in EU legislation.

TRACES NT SYSTEM

TRACES NT (Trade Control Expert System - New Technology) is the European Commission's online system for sanitary and phytosanitary certification required for the import of animals, animal products, food, and feed of non-animal origin and plants into the European Union, and for intra-EU trade, and animal exports and certain animal products from the EU. Exporters from third countries who plan to export products of animal origin to the EU must be registered in this system through the European Commission, which must be contacted for this purpose by the competent authority of the third country.

Detailed rules for operations to be carried out during documentary, identification, and physical checks on animals and goods subject to official controls at border inspection posts and following those controls are defined in the Commission Implementing Regulation (EU) [2019/2130](#) [11].

From 14 December 2019 (date of application of the Regulation on official controls - Regulation (EU) [2017/625](#) [6], the use of the Common Health Entry Documents (CHED) has become mandatory for the entry of animals and goods into the EU under Article 47 of this Regulation. The CHED document has several variants (A, P, PP, D), while the CHED-P document is required for the import of dairy products. CHED-P is a common medical entry document for consignments of products of animal origin, germinal products, and animal by-products (EC, 2022).

It is issued by the veterinary authorities in TRACES after an inspection. The first part must be completed by the importer to notify in advance of the import or transit of animal products in the EU 24 hours before the arrival of the goods. The second part of the form is filled in by the relevant veterinary and food administration, which confirms that it has carried out checks at the border inspection post and authorizes the entry of the products into the EU.

TRACEABILITY

The food traceability requirement is defined by Regulation (EC) No [178/2002](#) [3] as amended. This Regulation contains general principles for the traceability of food.

Traceability means the ability to find and trace food, feed, food-producing animals, or substances that are intended or intended to be added to food or feed at all stages of production, processing, and distribution.

Stages of production, processing, and distribution mean any stage, including import, from, and including primary food production to and including storage, transport, sale, or delivery to the final consumer and, where relevant, import, production, storage, transport, distribution, sale, and feed delivery.

Food and feed business operators (FBOs) must:

1. Ensuring the traceability of food, feed, food-producing animals, and any substances which are intended to be added to or intended to be added to food or feed must be established at all stages of production, processing, and distribution.
2. Be able to identify any person who supplies them with food, feed, a food-producing animal, or any substance intended to be added to food or feed or which is intended to be added to food or feed. To this end, such operators must have systems and procedures in place that allow this information to be made available to the competent authorities upon request.

3. Have systems and procedures in place to identify other businesses to which their products are supplied. This information shall be made available to the competent authorities upon request.
4. Foods or feedingstuffs which are placed on the market or are likely to be placed on the market in the Community must bear an appropriate label or marking enabling them to be traced through appropriate documentation or information by the relevant requirements of the more specific provisions.

FOOD LABELING

Milk and milk products must be labeled by:

- Regulation (EU) No **931/2011** [13] on the traceability of animal products,
- EC Regulation No **1169/2011** [14] on the provision of information to consumers,
- EC Regulation No **1308/2013** [15] on the common organization of the markets in agricultural products.
- The products must bear an oval veterinary mark.
- Nutrition and health claims may be made on products by Regulation (EC) No 258/97 of the European Parliament and the Council **1924/2006** [16].
- The product can contain several symbols present in Table 1 [17].

The traceability requirements for food of animal origin are set out in Implementing Regulation (EU) No **1095/2010** [12], **931/2011** [13].

To ensure traceability, the following are required:

- the name and address of the FBO supplying the food, and
- the name and address of the FBO to which the food was delivered.

Regulation (EU) No **931/2011** [13] applies to all FBOs at all stages of the production, processing, and distribution of food of animal origin, including primary producers, retailers, wholesalers, intermediaries, storers, and transporters of food of animal origin.

All products of animal origin placed on the market have been marked with a health mark or identification mark.

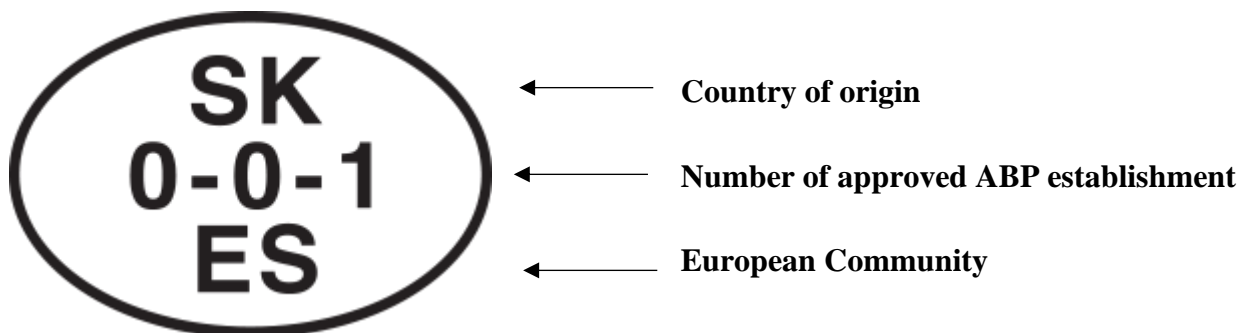








Figure 1 Example of the European union health and identification mark. Note: SK – Slovakia, ES – European Community .

Table 1 Food Packaging Symbols Explained.

Symbols	Definition
	This symbol is often used on containers, such as Tupperware, to show that the product is suitable for food use. It may or may not have the word “food” below the cup and fork.
	Recycling – this logo is used internationally to show that the product can be recycled. This is not an indication that the packaging has been made from recycled material.
	If you see a number in the middle of this image, that is to indicate the percentage of recycled material that makes up that product. The Green Dot In Continental Europe the ‘Green Dot’ trademark indicates that a fee has been paid to fund the recycling of the product. It is a financial symbol principally and indicates that the producer is part of PRO Europe’s packaging recovery organisation, a company that seeks to promote economic producer responsibility. In the UK it is often used incorrectly on products to suggest they are recyclable. This is a misuse of the symbol.
	Plastic recycling – another widely used symbol to show that the plastic used in the packaging can be recycled. The PET refers to Polythene Terephthalate which is commonly used in this application. The number inside (1 – 7) defines the resin used in making the packaging.
	Keep Britain Tidy – this symbol is included to remind consumers to dispose of their waste in an appropriate manner. It does not necessarily relate to the type of packaging used, but is rather a campaign against littering.
	The Forest Stewardship Council The FSC looks after our forests and can be found on all wood and paper products as well as products such as latex that are derived from trees. The FSC logo can be found on products such as decking, charcoal, and kitchen utensils. When you buy a product with the FSC label, it’s a guarantee that the trees used were replaced or allowed to grow naturally, that the rights of indigenous people are protected, and that the homes of wildlife are conserved.

PRODUCTION

The production of dairy products is subject to the general hygiene requirements set out in several European regulations(EC): Regulation (EC) No **178/2002** [3], Regulation (EC) No **852/2004** [4], Regulation (EC) No **853/2004** [5]. The processed milk must meet the hygienic requirements, which are the total number of microorganisms, the number of somatic cells, the absence of residues of veterinary drugs, and not exceeding the maximum permissible amounts of certain contaminants. The purchase of milk takes place in the form of a contractual relationship with the primary milk producer. In production, input, inter-operational, and output control is performed by the HACCP plan. The controls are also focused on the pasteurization regime, reaching the prescribed temperature and time of pasteurization as well as on the inactivation of the enzyme alkaline phosphatase. From a microbiological point of view, the legislation sets limits specifically for the production process and final products. The products must not be contaminated with pathogenic microorganisms, foreign contaminants, and physical objects. The quality requirements for raw milk as well as the final product are determined by each producer, taking into account existing requirements that apply specifically to specific products. For example, in the case of sour milk products, the legislation determines the number of living microorganisms that must be present in the product, in the case of butter, the amount of fat in the product is determined, and so on. Food additives may be added to milk products by Regulation (EC) No 258/97 of the European Parliament and the Council. in the case of butter, the amount of fat in the product is determined, etc. Food additives may be added to milk products by Regulation (EC) No 258/97 of the European Parliament and the Council. in the case of butter, the amount of fat in the product is determined, etc. Food additives may be added to milk products by Regulation (EC) No 258/97 of the European Parliament and the Council **1333/2008** [18]. Food additives are substances that are not normally consumed as food as such but are intentionally added to food for technological purposes. Packaging materials must be suitable for use in the food industry. The production of

specific PGI, PDO and TSG products is carried out in such a way that the registered product specification [1151/2012](#) [19], [668/2014](#) [20]. Other legislation is listed in the overview tables.

COMMON MILK MARKET ORGANIZATION

The common organization of the market in agricultural products is governed by Regulation (EU) No 182/2011 of the European Parliament and the Council [1308/2013](#) [15]. For example, the regulation defines and catalogs milk and selected dairy products, addresses the contractual arrangements for the supply of milk, the obligations of first-time raw milk buyers, and obliges the Commission to report to the European Parliament on the situation in the dairy market.

Other European Union legislation in this area, which is listed in Table 2, also applies.

Table 2 Legislation for the common organization of the market in milk and milk products.

Prescription number	Name of the regulation
<u>595/2004</u>	Commission Regulation (EC) No 595/2004 of 30 March 2004 laying down detailed rules for the application of Council Regulation (EC) No 1234/2007 establishing a levy on the milk and milk products sector.
<u>565/2013</u>	Commission Implementing Regulation (EU) No 565/2013 of 18 June 2013 amending Regulations (EC) No 1731/2006, (ES) No 273/2008, (ES) No 566/2008, (ES) No 867/2008, (ES) No 606/2009 and Implementing Regulations (EU) No 543/2011 and (EU) Amending Regulation (EC) No 1333/2011 as regards the notification obligation under the common organization of agricultural markets and repealing Regulation (EC) No 491/2007.
<u>1307/2013</u>	Regulation (EU) No 182/2011 of the European Parliament and of the Council Commission Regulation (EC) No 1307/2013 of 17 December 2013 laying down rules for direct payments to farmers under support schemes within the framework of the common agricultural policy and repealing Council Regulation (EC) No 1257/1999, Council Regulation (EC) No 637/2008, and Council Regulation (EC) No 73/2009.
<u>1308/2013</u>	Regulation (EU) No 182/2011 of the European Parliament and of the Council Regulation (EC) No 1308/2013 of 17 December 2013 establishing a common organization of the markets in agricultural products and repealing Council Regulations (EEC) No 2454/93, (EHS) No 922/72, (EHS) No 234/79, (ES) No 1037/2001, and (ES) No 1234/2007.
<u>906/2014</u>	Commission Delegated Regulation (EU) No 906/2014 of the European Parliament and of the Council of 11 March 2014 amending Regulation (EU) No 1306/2013 as regards public intervention expenditure.
<u>907/2014</u>	Commission Delegated Regulation (EU) No 907/2014 of the European Parliament and of the Council of 11 March 2014 amending Regulation (EU) No 1306/2013 as regards paying agencies and other bodies, financial management, clearance of accounts, guarantees, and use of the euro
<u>1097/2014</u>	Commission Implementing Regulation (EU) No 1097/2014 of 17 October 2014 amending Regulation (EU) No 479/2010 on notifications by the Member States in the milk and milk products sector.
<u>2016/ 1238</u>	Commission Delegated Regulation (EU) 2016/1238 of 18 May 2016 supplementing Regulation (EU) No 182/2011 of the European Parliament and the Council 1308/2013 as regards public intervention and private storage aid.
<u>2016/ 1240</u>	Commission Implementing Regulation (EU) 2016/1240 of 18 May 2016 laying down rules for the application of Regulation (EU) No 1308/2013 of the European Parliament and the Council about public intervention and aid for private storage
<u>2016/2080</u>	Commission Implementing Regulation (EU) 2016/2080 of 25 November 2016 opening the sale of skimmed milk powder by a tendering procedure.
<u>2017/1185</u>	Commission Implementing Regulation (EU) No 2017/1185 of 20 April 2017 laying down detailed rules for the application of Regulation (EU) No 182/2011 of the European Parliament and the Council 1307/2013 and (EU) No 1308/2013 as regards the provision of information and the submission of documents to the Commission and amending and repealing several Commission Regulations.
<u>2017/40</u>	Commission Delegated Regulation (EU) 2017/40 of 3 November 2016 supplementing Regulation (EU) No 182/2011 of the European Parliament and the Council Amending Commission Implementing Regulation (EU) No 1308/2013 as regards Union aid for the supply of fruit and

	vegetables, bananas and milk in educational establishments and amending Commission Implementing Regulation (EU) No 1308/2013 907/2014.
<u>2018/147</u>	Council Regulation (EU) 2018/147 of 29 January 2018 amending Regulation (EU) No 182/2011 1370/2013 as regards the quantitative limit for the purchase of skimmed milk powder.
<u>2018/149</u>	Commission Delegated Regulation (EU) 2018/149 of 15 November 2017 amending Commission Delegated Regulation (EU) 2016/1238 as regards compositional and quality requirements for milk and milk products eligible for public intervention and private storage aid.
<u>2018/150</u>	Commission Implementing Regulation (EU) 2018/150 of 30 January 2018 amending Implementing Regulation (EU) 2016/1240 as regards methods for analyzing and evaluating the quality of milk and milk products eligible for public intervention and private storage aid.
<u>2018/150</u>	Commission Implementing Regulation (EU) 2018/150 of 30 January 2018 amending Implementing Regulation (EU) 2016/1240 as regards methods for analyzing and evaluating the quality of milk and milk products eligible for public intervention and private storage aid.
<u>2018/1879</u>	Commission Implementing Regulation (EU) 2018/1879 of 29 November 2018 amending Implementing Regulation (EU) 2016/2080 as regards the date of storage of skimmed-milk powder sold under a tendering procedure.
<u>2018/765</u>	Commission Implementing Regulation (EU) 2018/765 of 23 May 2018 amending Implementing Regulation (EU) 2016/2080 as regards the date of storage of skimmed-milk powder sold under a tendering procedure.
<u>2020/532</u>	Commission Implementing Regulation (EU) 2020/532 of 16 April 2020 laying down derogations from Implementing Regulations (EU) No 809/2014, (EU) No 180/2014, (EU) No 181/2014, (EU) 2017/892, (EU) 2016/1150, (EU) 2018/274, (EU) 2017/39, (EU) 2015/1368, and (EU) 2016/1240, as regards certain administrative and on-the-spot checks applicable under the common agricultural policy.
<u>2020/591</u>	Commission Delegated Regulation (EU) 2020/591 of 30 April 2020 established a temporary special aid scheme for the private storage of certain cheeses and fixed the amount of aid in advance.
<u>2020/597</u>	Commission Implementing Regulation (EU) 2020/597 of 30 April 2020 granting private storage aid for butter and fixing in advance the amount of aid.
<u>2020/598</u>	Commission Implementing Regulation (EU) 2020/598 of 30 April 2020 granting private storage aid for skimmed-milk powder and fixing the amount of aid in advance.
<u>2020/599</u>	Commission Implementing Regulation (EU) 2020/599 of 30 April 2020 authorizing the conclusion of agreements and decisions on production planning in the milk and milk products sector.
<u>2020/600</u>	Commission Implementing Regulation (EU) 2020/600 of 30 April 2020 laying down derogations from Implementing Regulation (EU) 2017/892, Implementing Regulation (EU) 2016/1150, Implementing Regulation (EU) No 615/2014, Implementing Regulation (EU) 2015/1368 and Implementing Regulation (EU) 2017/39 as regards certain measures to address the COVID-19 pandemic crisis.
<u>2020/760</u>	Commission Delegated Regulation (EU) 2020/760 of 17 December 2019 supplementing Regulation (EU) No 182/2011 of the European Parliament and of the Council amending Regulation (EC) No 1308/2013 as regards the rules for administering import and export tariff quotas subject to licenses and supplementing Regulation (EU) No 1308/2013 of the European Parliament and the Council 1306/2013 as regards the lodging of security in the administration of tariff quotas.
<u>2020/1471</u>	Commission Implementing Regulation (EU) 2020/1471 of 12 October 2020 fixing the interest rates to be used for calculating the costs of financing intervention measures comprising buying-in, storage, and disposal for the EAGF 2021 accounting period.

FOOD HYGIENE

In the field of food hygiene, the legislation is listed in Table 3.

Table 3 Food hygiene legislation.

Prescription number	Name of the regulation
<u>2020/2235</u>	Commission Implementing Regulation (EU) 2020/2235 of 16 December 2020 laying down detailed rules for the application of Regulations (EU) 2016/429 of the European Parliament and the Council and (EU) 2017/625 as regards model animal health certificates, model official certificates, and model animal health certificates / official certificates for the entry and movement of consignments of certain categories of animals and goods into the Union, the official certification of such certificates and repealing Regulation (EC) No 1774/2002; Implementing Regulations (EU) No 599/2004 636/2014 and (EU) 2019/628, Directive 98/68 / EC and Decisions 2000/572 / EC, 2003/779 / EC, and 2007/240 / EC.
<u>2019/627</u>	Commission Implementing Regulation (EU) 2019/627 laying down uniform practical arrangements for carrying out official controls on products of animal origin intended for human consumption by Regulation (EU) 2017/625 of the European Parliament and the Council and amending Commission Regulation (EC) No 2074/2005 as regards official controls.
<u>2019/1139</u>	Commission Implementing Regulation (EU) 2019/1139 of 3 July 2019 amending Regulation (EC) No Amending Regulation (EC) No 2074/2005 as regards official controls on the food of animal origin related to food chain information and fishery products and reference to recognized testing methods for the detection of marine biotoxins and testing methods for raw and heat-treated cow's milk.
<u>2017/625</u>	Regulation (EU) 2017/625 of the European Parliament and of the Council on official controls.
<u>16/2012</u>	Commission Regulation (EU) No Amending Annex II to Regulation (EC) No 16/2011 of the European Parliament and of the Council 853/2004 as regards requirements for frozen foodstuffs of animal origin intended for human consumption.
<u>931/2011</u>	Commission Implementing Regulation (EU) No 931/2011 of 19 September 2011 on traceability requirements laid down in Regulation (EC) No 931/2011 of the European Parliament and the Council 178/2002 about the food of animal origin.
<u>765/2006</u>	Commission Decision 2006/765/EC repealing certain implementing rules concerning food hygiene and health conditions for the production and placing on the market certain products of animal origin intended for human consumption.
<u>2074/2005</u>	Commission Regulation laying down implementing measures for certain products under Regulation (EC) No 1234/2007 853/2004 and for the organization of official controls under Regulations (EC) No 854/2004 and 882/2004 derogating from Regulation (EC) No Amending Regulation (EC) No 852/2004 853/2004 and 854/2004.
<u>2073/2005</u>	Commission Regulation (EC) No 2073/2005 on microbiological criteria for foodstuffs.
<u>853/2004</u>	Regulation (EC) No Laying down specific hygiene rules for food of animal origin.
<u>852/2004</u>	Regulation (EC) No 852/2004 on food hygiene. Commission Communication on the implementation of food safety management systems taking into account essential requirements programs (NCPs) and HACCP-based procedures, including simplification/flexibility in implementation for certain food business operators. <i>Codex Alimentarius</i> standards - Regulation (EC) No 852/2004 on food hygiene takes into account the international food safety standards contained in the <i>Codex Alimentarius</i> . The European Commission's guidance document on the implementation of certain provisions of Regulation (EC) No 852/2004 on food hygiene sets out certain standards developed by the <i>Codex Alimentarius</i> .
<u>178/2002</u>	Regulation (EC) No 178/2002 laid down the general principles and requirements of food law, and guidelines for the implementation of Articles 11, 12, 16, 17, 18, 19, and 20.
<u>315/93</u>	Council Regulation (EEC) No Council Regulation (EEC) No 315/93 of 8 February 1993 laid down Community procedures for contaminants in food.
<u>1881/2006</u>	Commission Regulation (EC) No Regulation (EC) No 1881/2006 of 19 December 2006 set maximum levels for certain contaminants in foodstuffs.

OTHER LEGISLATION VALID IN THE DAIRY SECTOR

Dairy companies produce food waste and the EU has adopted health rules concerning animal by-products and derived products not intended for human consumption which should be taken into account (Table 4).

Table 4 Additional legislation for the dairy sector.

Prescription number	Name of the legislation
<u>1069/2009</u>	Regulation (EC) No 1/2003 of the European Parliament and the Council Commission Regulation (EC) No 1069/2009 of 21 October 2009 laying down health rules concerning animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1829/2003 1774/2002.

LEGISLATION FOR PGI, PDO, AND TSG

Products with a protected geographical indication, a protected designation of origin, and guaranteed traditional specialties are marked with quality marks by EU legislation (Table 5).

Table 5 Legislation for PGIs, PDOs, TSGs.

Prescription number	Name of the legislation
<u>1151/2012</u>	Regulation (EU) No 182/2011 of the European Parliament and of the Council 1151/2012 of 21 November 2012 quality systems for agricultural products and foodstuffs.
<u>668/2014</u>	Commission Implementing Regulation (EU) No 668/2014 of 13 June 2014 laying down rules for the application of Regulation (EU) No 182/2011 of the European Parliament and of the Council 1151/2012 on quality systems for agricultural products and foodstuffs.



Figure 2 Example of the European PDO, PGI and TSG marks. Note: Protected geographical indication (PGI); Protected designation of origin (PDO); and Traditional speciality guaranteed (TSG).

ORGANIC AGRICULTURAL PRODUCTION

Since 1 January 2022, Regulation (EU) 2018/848 of the European Parliament and of the Council of 30 May 2018 is the applicable legislative act, also known as the basic act, laying down the rules on organic production and labelling of organic products, repealing and replacing Council Regulation (EC) No 834/2007 of 28 June 2007. The new regulation provides for transitional periods for the implementation of certain new provisions, in particular on trade. Please refer to section 2 of Chapter IX of Regulation (EU) 2018/848, where provisions under previous Council Regulation (EC) No 834/2007 and Commission Regulation (EC) No 889/2008 may apply for a limited period.

It is on the basis of Regulation (EU) 2018/848 that the Commission adopts further detailed secondary legal acts. The types of secondary legal acts are the following:

- delegated acts, also known as Commission Delegated Regulations, which are acts of general application to supplement (“Commission Delegated Regulation supplementing”) or amend (“Commission Delegated Regulation amending”) certain non-essential (in the sense of complementary) elements of the legislative act;
- implementing acts, also known as Commission Implementing Regulations, which are used where uniform conditions for implementation are needed.

Delegated acts amending the basic act are progressively incorporated into the so-called “consolidated” text of the legislative act and become part of it. Please note that the consolidated version of Regulation (EU) **2018/848** is made available only for informative purposes, but has no legal effect. The authentic versions of the relevant acts, including their preambles, are those published in the Official Journal of the European Union

Table 6 Legislation for organic farming.

Prescription number	Name of the legislation
<u>834/2007</u>	Council Regulation (EC) No 834/2007 of 28 June 2007 on organic production and labeling of organic products and repealing Regulation (EEC) No 2454/93, 2092/91.
<u>889/2008</u>	Commission Regulation (EC) No 889/2008 of 5 September 2008 laid down detailed rules for the implementation of Council Regulation (EC) No 834/2007 on organic production and labeling of organic products about organic production, labeling, and control.
<u>848/2018</u>	Regulation (EU) No 2018/848 of the European Parliament and of the council of 30 May 2018 on organic production and labeling of organic products and repealing council regulation (EC) No 1782/2003, 834/2007.
<u>2021/1165</u>	Commission Implementing Regulation (EU) 2021/1165 of 15 July 2021 authorizing certain lists of products and substances for use in organic farming.
<u>2021/1378</u>	Commission Implementing Regulation (EU) No 2021/1378 of 19 August 2021 laying down certain rules concerning the certificate issued to operators, groups of operators, and exporters in third countries involved in imports of organic products and products from conversion into the Union, establishing a list of recognized public inspection bodies and private inspection bodies by Regulation (EU) No 2018/848 of the European Parliament and the Council.
<u>2021/2119</u>	Commission Implementing Regulation (EU) No 2021/2119 of 1 December 2021 laying down detailed rules concerning certain records and declarations required of operators and groups of operators and the technical means for issuing certificates by regulation (EU) 2018 of the European Parliament and the Council / 848 and amending Commission Implementing Regulation (EU) 2021/1378 as regards the certification of operators, groups of operators and exporters in third countries.
<u>2021/2307</u>	Commission Implementing Regulation (EU) No 2021/2307 of 21 October 2021 laying down rules concerning the documents and notifications required for organic products and products of conversion intended for import into the Union.
<u>2021/2325</u>	Commission Implementing Regulation (EU) No 2021/2325 of 16 December 2021 establishing, according to Regulation (EU) No 2018/848 of the European Parliament and the council, the list of third countries and the list of public inspection bodies and private inspection bodies recognized under article 33 (2). 2 a 3 Council Regulation (EC) No 834/2007 to import organic products into the Union.
<u>2020/427</u>	Delegated Regulation (EU) 2020/427 of 13 January 2020 amending Annex II to Regulation (EU) 2018/848 on certain detailed production rules for organic products (OJ L 87, 23.3.2020)
<u>2020/1794</u>	Delegated Regulation (EU) 2020/1794 of 16 September 2020 amending Part I of Annex II to Regulation (EU) 2018/848 on the use of in-conversion and non-organic plant reproductive material (OJ L 402, 1.12.2020)
<u>2021/642</u>	Delegated Regulation (EU) 2021/642 of 30 October 2020 amending Annex III to Regulation (EU) 2018/848 on certain information to provide on the labelling of organic products (OJ L 133, 20.4.2021)
<u>2021/716</u>	Delegated Regulation (EU) 2021/716 of 9 February 2021 amending Annex II to Regulation (EU) 2018/848 on organic production rules on sprouted seeds and chicory heads, on feed for certain aquaculture animals and on aquaculture parasite treatments (OJ L 151, 3.5.2021).

<u>2022/474</u>	Delegated Regulation (EU) 2022/474 of 17 January 2022 amending Annex II to Regulation (EU) 2018/848 on specific requirements for the production and use of non-organic, in-conversion and organic seedlings and other plant reproductive material.
<u>2020/2146</u>	Delegated Regulation (EU) 2020/2146 of 24 September 2020 supplementing Regulation (EU) 2018/848 on exceptional production rules in organic production (OJ L 428, 18.12.2020)
<u>2021/1189</u>	Delegated Regulation (EU) 2021/1189 of 7 May 2021 supplementing Regulation (EU) 2018/848 on the production and marketing of plant reproductive material of organic heterogeneous material of particular genera or species (OJ L 258, 20.7.2021)
<u>2020/464</u>	Implementing Regulation (EU) 2020/464 of 26 March 2020 laying down certain rules for the application of Regulation (EU) 2018/848 on the documents needed for the retroactive recognition of periods for the purpose of conversion, the production of organic products and information to be provided by EU countries (OJ L 98, 31.3.2020)
<u>2021/1165</u>	Implementing Regulation (EU) 2021/1165 of 15 July 2021 authorising certain products and substances for use in organic production and establishing their lists (OJ L 253, 16.7.2021)
<u>2021/715</u>	Delegated Regulation (EU) 2021/715 of 20 January 2021 amending Regulation (EU) 2018/848 on the requirements for groups of operators (OJ L 151, 3.5.2021)
<u>2021/1006</u>	Delegated Regulation (EU) 2021/1006 of 12 April 2021 amending Regulation (EU) 2018/848 on the model of certificate attesting compliance with the rules on organic production (OJ L 222, 22.6.2021)
<u>2021/1691</u>	Delegated Regulation (EU) 2021/1691 of 22 September 2021 amending Annex II to Regulation (EU) 2018/848 on the requirements for records keeping from operators in organic production (OJ L 334, 22.9.2021)
<u>2021/771</u>	Delegated Regulation (EU) 2021/771 of 21 January 2021 supplementing Regulation (EU) 2018/848 laying down specific criteria and conditions for the checks of documentary accounts in the framework of official controls in organic production and the official controls of groups of operators (OJ L 165, 11.5.2021)
<u>2021/2304</u>	Delegated Regulation (EU) 2021/2304 of 18 October 2021 supplementing Regulation (EU) 2018/848 with rules on the issuance of complementary certificates certifying the non-use of antibiotics in organic production of animal products for the purpose of export (OJ L 461, 27.12.2021)
<u>2021/279</u>	Implementing Regulation (EU) 2021/279 of 22 February 2021 laying down detailed rules for implementation of Regulation (EU) 2018/848 on controls and other measures ensuring traceability and compliance in organic production and the labelling of organic products (OJ L 62, 23.2.2021)
<u>2021/1935</u>	Implementing Regulation (EU) 2021/1935 of 8 November 2021 amending Implementing Regulation (EU) 2019/723 on the information and data on organic production and labelling of organic products to be submitted by means of the standard model (OJ L 396, 10.11.2021, p. 17–26)
<u>2021/2119</u>	Implementing Regulation (EU) 2021/2119 of 1 December 2021 on records and declarations required from operators and groups of operators and on the technical means for the issuance of certificates in accordance with Regulation (EU) 2018/848 and amending Implementing Regulation (EU) 2021/1378 of 19 August 2021 on the issuance of the certificate for operators, groups of operators and exporters in third countries (OJ L 430, 2.12.2021)
<u>2021/1697</u>	Delegated Regulation (EU) 2021/1697 of 13 July 2021 amending Regulation (EU) 2018/848 on the criteria for the recognition of control authorities and control bodies competent to carry out controls on organic products in third countries, and on the withdrawal of their recognition (OJ L 336, 23.9.2021)
<u>2021/1698</u>	Delegated Regulation (EU) 2021/1698 of the 13 July 2021 supplementing Regulation (EU) 2018/848 with procedural requirements for the recognition of control authorities and control bodies that are competent to carry out controls on operators and groups of operators certified organic, and on organic products in third countries, and with rules on their supervision and the controls and other actions to be performed by those control authorities and control bodies (OJ L 336, 23.9.2021)
<u>2021/1342</u>	Delegated Regulation (EU) 2021/1342 of 27 May 2021 supplementing Regulation (EU) 2018/848 with rules on the information to be sent by third countries and by control authorities and control bodies for the purpose of supervision of their recognition under Article 33(2) and (3)

	of Regulation (EC) No 834/2007 of 28 June 2007 for imported organic products and the measures to be taken in the exercise of that supervision (OJ L 292, 16.8.2021)
<u>2021/2305</u>	Delegated Regulation (EU) 2021/2305 of 21 October 2021 supplementing Regulation (EU) 2017/625 with rules on the cases where and conditions under which organic products and in-conversion products are exempted from official controls at border control posts, the place of official controls for such products and amending Commission Delegated Regulations (EU) 2019/2023 and (EU) 2019/2124 (OJ L 461, 27.12.2021)
<u>2021/2306</u>	Delegated Regulation (EU) 2021/2306 of 21 October supplementing Regulation (EU) 2018/848 with rules on the official controls in respect of consignments of organic products and in-conversion products intended for import into the EU and on the certificate of inspection (OJ L 461, 27.12.2021)
<u>2022/760</u>	Delegated Regulation (EU) 2022/760 of 8 April 2022 amending Delegated Regulation (EU) 2021/2306 as regards the transitional provisions for certificates of inspection issued in Ukraine (OJ L 139, 18.5.2022)
<u>2021/1378</u>	Implementing Regulation (EU) 2021/1378 of 19 August 2021 laying down certain rules in accordance with Regulation (EU) 2018/848 concerning the certificate issued to operators, groups of operators and exporters in third countries involved in the imports of organic and in-conversion products into the EU and establishing the list of recognised control authorities and control bodies for the purpose of compliance (OJ L 297, 20.8.2021)
<u>2021/2307</u>	Implementing Regulation (EU) 2021/2307 of 21 October 2021 on documents and notifications required for organic and in-conversion products intended for import into the EU (OJ L 461, 27.12.2021)
<u>2021/2325</u>	Implementing Regulation (EU) 2021/2325 of 16 December 2021 establishing, pursuant to Regulation (EU) 2018/848 the list of third countries and the list of control authorities and control bodies that have been recognised under Article 33(2) and (3) of Regulation (EC) No 834/2007 for the purpose of importing organic products into the EU (OJ L 465, 29.12.2021)



Figure 3 The organic logo.

The European Union organic logo gives a coherent visual identity to organic products produced in the EU. This makes it easier for consumers to identify organic products and helps farmers to market them across the entire EU. The organic logo can only be used on products that have been certified as organic by an authorised control agency or body. This means that they have fulfilled strict conditions on how they must be produced, processed, transported and stored. The logo can only be used on products when they contain at least 95% organic ingredients and additionally, respect further strict conditions for the remaining 5%. The same ingredient cannot be present in organic and non-organic form.

Next to the EU organic logo, a code number of the control body must be displayed as well as the place where the agricultural raw materials composing the product have been farmed [26].

HYGIENE MANUALS FOR MILK AND DAIRY PRODUCTS

Regulation (EC) No **852/2004** [4] of the European Parliament and of the Council on the hygiene of foodstuffs of 29 April 2004, Chapter I, Article 1 paragraph 1. states that "the guides to good practice are a valuable instrument to aid food business operators at all levels of the food chain with compliance with food hygiene rules and with the application of the HACCP principles;" and Chapter III, Article 8 paragraph 4. requires that, "The

Member States shall forward to the Commission national guides complying with the requirements of paragraph 3. The Commission shall set up and run a registration system for such guides and make it available to the Member States" [21].

Table 7 Hygiene manuals for milk and dairy products.

Co.	Original Title	Title in English	Contact point	Product	Register of national guides to good hygiene practice
AT	Leitlinie über mikrobiologische Kriterien für Milch und Milchprodukt	Guideline for microbiological criteria for Milk and dairy products	www.verbrauchergesundheits.gv.at	dairy products, milk	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=741
AT	Leitlinie für bäuerliche Milchverarbeitungsbetriebe	Guideline for milk and dairy products on farms	www.verbrauchergesundheits.gv.at	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=728
AT	Leitlinie für Milchverarbeitung auf Almen	Guideline for the milk production and dairy products on farms in the mountain	www.bmg.gv.at	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=729
BE	G-034 Guide d'autocontrôle pour la production et la vente de produits laitiers à la ferme Autocontrolegids voor de productie en verkoop van zuivelproducten op het landbouwbedrijf	Guide for self-checking for the production and sale of dairy products on the farm	www.bcz-cbl.be/ http://www.favv-afsca.fgov.be/autocontrol/guides/distribution/g034/	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=769
BE	G-002 Guide système d'autocontrôle industrie laitière Gids autocontrolesysteem zuivelindustrie	Guide for self-checking in the milk industry	www.bcz-cbl.be/	dairy products, milk	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=744
CH	Leitlinie für die gute Verfahrenspraxis bei der Milchgewinnung und -verarbeitung in Sömmerungsbetrieben	Guideline for the milk production and dairy products on alpine farms	Schweizerischer Alpwirtschaftlicher Verband SAV Seilerstrasse 4 3001 Bern	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=786
CZ	Pravidla správné hygienické a výrobní praxe – Mléko a mléčné výrobky; Czech Technical Standard – ČSN 56 9601	Guidelines for Good Hygiene and Manufacturing Practice - Milk and Milk Products; Czech Technical Standard – ČSN 56 9601	www.mze.cz	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=809
DK	Branchekode for egenkontrol: Mejerier	Hygiene and own checks, code of practice for production of milk	www.foedevarestyrelsen.dk	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=911
ES	Guía de Análisis de Peligros y Puntos de Control Crítico en leches UHT y leches pasteurizadas	Hazard Analysis and Critical Control Points Guide in UHT and pasteurized milk	http://www.aecosan.mssi.gob.es http://www.aecosan.mssi.gob.es/AECOSAN/docs/documentos/seguridad_alimentaria/gestion_riesgos/guia_lanche_final.pdf	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1456

FR	Guides de bonnes pratiques hygiéniques: Fabrication de produits laitiers et fromages fermiers	Guide to Good Hygiene Practice: Milk products and artisanal cheese	www.journal-officiel.gouv.fr	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1032
FR	Guides de bonnes pratiques hygiéniques: Détaillant en produits laitiers	Guide to Good Hygiene Practice: Retailers of dairy products	www.journal-officiel.gouv.fr	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1043
FR	Collecte lait cru et fabrication de produits laitiers	Association de la transformation laitière française	http://www.ladocumentationfrancaise.fr	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1075
IT	Manuale volontario di corretta prassi igienica per le aziende del settore lattiero-caseario	Voluntary Handbook of Good Hygiene Practice for the milk/cheese sector	www.ministerosalute.it	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1173
IT	Manuale di corretta prassi igienica per le produzioni lattiero-casearie artigianali e d'alpeggio	Guide to Good Hygiene Practice for the artisanal/on-farm production of milk and milk products	www.ministerosalute.it	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1185
IT	Manuale di corretta prassi igienica per il formaggio Gorgonzola	Good hygiene practice for gorgonzola chees	Assolatte.Soria@assolatte.it	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1174
LT	Tiesiogiai iš ūkių parduodamų pieno produkto geros higienos praktikos taisyklės	Good hygiene practice guide for primary dairy production and direct supply	www.sam.lt	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1239
LV	Labas higiēnas un ražošanas prakses vadlīnijas piena pārstrādes uzņēmumiem	Guidelines of good hygiene and production practice for milk processing establishments	www.zm.gov.lv/?sada la=1062	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1261
NO	Retningslinjer for småskala mjølkeforedling	Guide to small-scale artisan cheese and dairy products	www.norskgardsost.no	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1507
NO	Retningslinje for hygiene i meieriindustrien	Guide to hygiene in the dairy industries	www.tine.no	dairy products, milk	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1510
PL	Zasady procesu produkcyjnego i higieny w zatwierdzonej urzędowo serowni farmerskiej i rzemieślniczej	Rules of the manufacturing process and hygiene for officially approved farmer and artisan cheese factory	https://sery.wrotapodlasia.pl	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1462
PL	Poradnik dobrych praktyk higienicznych wytwarzania serów i innych produktów mleczarskich w farmerskim i rzemieślniczym przetwórstwie mleka	Guide for Good Hygiene Practices in farmhouse and artisan cheese and other dairy production	www.efrwp.p	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1463

PT	Manual de procedimentos relativos às medidas nacionais de aplicação da flexibilidade em matéria de higiene alimentar	Manual of procedures for national measures for the application of flexibility in food hygiene	http://www.dgv.min-agricultura.pt/portal/page/portal/DGV/genericos?actualmenu=63931&generico=62393&cboui=62393	meat (in general), dairy products, eggs and egg products, fishery products, honey	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1485
PT	Código de boas práticas de higiene indústria de leite e produtos lácteos	Guide to Good Hygiene Practice for dairy and milk industry	www.anilact.com http://www.anilact.pt/documentos/Publicacao_06.pdf	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1326
SE	Fäbodnäringens branschriktlinjer, Bilaga 6	The mountain pasture association's guide, Annex 6	http://www.eldrimner.com/om-eldrimner/31887.kontakta_oss.html http://www.livsmedelverket.se/globalasset/s/produktion-handelkontroll/branschriktlinjer/fabodnaringens-branschriktlinjer-bilaga-6---riskbedomning-och-kritiska-styrpunkter-vid-framstallning-av-fabodprodukter.pdf	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1452
SE	Fäbodnäringens branschriktlinjer till god hygienpraxis vid fäbodan vid tillverkning av mjölkprodukter med traditionella metoder	The mountain pasture association's guide to good hygiene practice in chalets in the manufacturing of milk products using traditional methods	http://www.eldrimner.com/om-eldrimner/31887.kontakta_oss.html http://www.livsmedelverket.se/globalasset/s/produktion-handelkontroll/branschriktlinjer/fabodnaringens-branschriktlinjer-till-god-hygenpraxis-vid-fabodar-vid-tillverkning-av-mjolkprodukter-med-traditionella-metoder	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1387
SE	Branschriktlinjer för kontroll av den obehandlade mjölkens kvalitet	Guide for control of raw milk hygienic quality	http://www.lrf.se/om-lrf/kontakta-oss/branschavdelningar/lrf-mjolk/ http://www.livsmedelverket.se/globalasset/s/produktion-handelkontroll/branschriktlinjer/mjolkens-kvalitet--kontroll-av-den-obehandlade-mjolkens-kvalitet.pdf	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1363
SE	Branschriktlinjer för hygienisk praxis vid hantverksmässig produktion av ost och andra mjölkprodukter - Guidestart	Guide for hygienic practice in small scale production of cheese and other milk products - Guide start	http://www.eldrimner.com/om-eldrimner/31887.kontakta_oss.html http://www.livsmedelverket.se/globalasset/s/produktion-handelkontroll/branschriktlinjer/ost---guide-till-god-hygiensk-praxis-	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1361

			vid-hantverksmassig-tillverkning-av-ost-och-andra-mjolkprodukter.pdf		
SE	Branschriktlinjer för hygienisk praxis vid hantverksmässig produktion av ost och andra mjölkprodukter - Grundförutsättningar och arbetsrutiner	Guide for hygienic practice in small scale production of cheese and other milk products - GHP and work routines	http://www.eldrimner.com/om-eldrimner/31887.kontakta_oss.html http://www.livsmedelverket.se/globalasset/s/produktion-handelkontroll/branschriktlinjer/ost---grundforutsattningar-och-arbetsrutiner-vid-hantverksmassig-tillverkning-av-ost-och-andra-mjolkprodukter.pdf	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1450
SE	Branschriktlinjer för hygienisk praxis vid hantverksmässig produktion av ost och andra mjölkprodukter - Arbetsblad	Guide for hygienic practice in small scale production of cheese and other milk products - Work sheets	http://www.eldrimner.com/om-eldrimner/31887.kontakta_oss.html http://www.livsmedelverket.se/produktion-handelkontroll/branschriktlinjer2/arbetsblad-ost/	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1451
SE	Branschriktlinjer för hygienisk intransport av obehandlad mjölk från gård	Guide for hygienic transport of raw milk from farm	http://www.lrf.se/om-lrf/kontakt-oss/branschavdelningar/lrf-mjolk/ http://www.livsmedelverket.se/globalasset/s/produktion-handelkontroll/branschriktlinjer/mjolk-fran-gard---hygienisk-intransport-av-obehandlad-mjolk-fran-gard.pdf	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1364
SK	Hygienická príručka na zásadách HACCP pre výrobu ovčieho hrudkového syra v salašných podmienkach	Guide to Good Hygiene Practice on principles of the HACCP for production of sheep cheese in the farm conditions (salaš)	-	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1415
SK	Hygienická príručka na zásadách HACCP pre výrobu a predaj výrobkov z ovčieho mlieka v salašnických podmienkach - Ovčí hrudkový syr na priamu spotrebu, ovčí údený syr, žinčica, bačovská bryndza, parenice, korbáčiky - časť 2	Hygienic guide on HACCP principles for production and distribution of sheep milk products in mountain conditions - Ovčí hrudkový syr na priamu spotrebu, ovčí údený syr, žinčica, bačovská bryndza, parenice, korbáčiky - part 2	-	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1419
SK	Hygienická príručka na zásadách HACCP pre spracovanie ovčieho mlieka a výrobu tradičných výrobkov z ovčieho	Hygienic guide on HACCP principles for processing of sheep milk and manufacturing of traditional products from sheep milk in the chalet	-	dairy products	https://webgate.ec.europa.eu/dyna/hygienelegislation/details.cfm?id=1418

mlieka v podmienkach salaša - Spracovanie mlieka, Výroba ovčieho hrudkového syra pre bryndziarne, Výroba tradičných špecialít a to – „Ovčí hrudkový syr – salašnícky“, „Ovčí salašnícky údený syr“, „Žinčica“, Predaj tradičných špecialít	conditions - Spracovanie mlieka, Výroba ovčieho hrudkového syra pre bryndziarne, Výroba tradičných špecialít a to – „Ovčí hrudkový syr – salašnícky“, „Ovčí salašnícky údený syr“, „Žinčica“, Predaj tradičných špecialít
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CODEX ALIMENTARIUS STANDARD FOR MILK AND DAIRY PRODUCTS

The Codex Alimentarius Commission, established in 1963 by the Food and Agriculture Organization of the United Nations (FAO) and WHO, develops harmonized international food standards, guidelines and codes of practice to protect the health of consumers and ensure fair trade practices in the food trade [22]. Standards for milk products are present in Table 8, standards for cheese products are present in Table 9 and Table 10.

Table 8 Standards for milk products.

Code	Name	Register
CXS 281-1971	Standard for Evaporated Milks This Standard applies to evaporated milks, intended for direct consumption or further processing, in conformity.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B281-1971%252FCXS_281e.pdf
CXS 282-1971	Standard for Sweetened Condensed Milks This Standard applies to sweetened condensed milks, intended for direct consumption or further processing, in conformity.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B282-1971%252FCXS_282e.pdf
CXS 280-1973	Standard for Milkfat Products This Standard applies to Anhydrous Milkfat, Milkfat, Anhydrous Butter oil, Butter oil and Ghee, which are intended for further processing or culinary use.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B280-1973%252FCXS_280e.pdf
CXS 288-1976	Standard for Cream and Prepared Creams This Standard applies to cream and prepared creams for direct consumption or further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B288-1976%252FCXS_288e.pdf
CXS 289-1995	Standard for Whey Powders This Standard applies to Whey Powder and Acid Whey Powder, intended for direct consumption or further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B289-1995%252FCXS_289e.pdf
CXS 290-1995	Standard for Edible Casein Products This Standard applies to edible acid casein, edible rennet casein and edible caseinate, intended for direct consumption or further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B290-1995%252FCXS_290e.pdf
CXS 206-1999	General Standard for the Use of Dairy Terms This General Standard applies to the use of dairy terms in relation to foods to be	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fwww.orkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B206-1999%252FCXS_206e.pdf

	offered to the consumer or for further processing.	
CXS 207-1999	<p>Standard for Milk Powders and Cream Powder</p> <p>This Standard applies to milk powders and cream powder, intended for direct consumption or further processing, in conformity with the description in Section 2 of this Standard.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B207-1999%252FCXS_207e.pdf</p>
CXS 243-2003	<p>Standard for Fermented Milks</p> <p>This standard applies to fermented milks, that is Fermented Milk including, Heat Treated Fermented Milks.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B243-2003%252FCXS_243e.pdf</p>
CXS 250-2006	<p>Standard for a Blend of Evaporated Skimmed Milk and Vegetable Fat</p> <p>This Standard applies to a blend of evaporated skimmed milk and vegetable fat, also known as a blend of unsweetened condensed skimmed milk and vegetable fat, which is intended for direct consumption, or further processing</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B250-2006%252FCXS_250e.pdf</p>
CXS 251-2006	<p>Standard for a Blend of Skimmed Milk and Vegetable Fat in Powdered Form</p> <p>This Standard applies to a blend of skimmed milk and vegetable fat in powdered form, intended for direct consumption, or further processing.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B251-2006%252FCXS_251e.pdf</p>
CXS 252-2006	<p>Standard for a Blend of Sweetened Condensed Skimmed Milk and Vegetable Fat</p> <p>This Standard applies to a blend of sweetened condensed skimmed milk and vegetable fat, intended for direct consumption, or further processing.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B252-2006%252FCXS_252e.pdf</p>
CXS 253-2006	<p>Standard for Dairy Fat Spreads</p> <p>This Standard applies to dairy fat spreads intended for use as spreads for direct consumption, or for further processing.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B253-2006%252FCXS_253e.pdf</p>
CXS 279-1971	<p>Standard for Butter</p> <p>This Standard applies to butter intended for direct consumption or for further processing.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B279-1971%252FCXS_279e.pdf</p>
CXS 331-2017	<p>Standard for Dairy Permeate Powders</p> <p>This Standard applies to dairy permeate powders, intended for further processing and/or as ingredient in other foods.</p>	<p>https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B331-2017%252FCXS_331e.pdf</p>

Table 9 Horizontal cheese standards.

Code	Name	Register
CXS 208-1999	Group Standard for Cheeses in Brine This Standard applies to Cheeses in Brine, intended for direct consumption or further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B208-1999%252FCXS_208e.pdf
CXS 221-2001	Group Standard for Unripened Cheese including Fresh Cheese This Standard applies to unripened cheese including fresh cheese, intended for direct consumption or further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B221-2001%252FCXS_221e.pdf
CXS 278-1978	Standard for Extra Hard Grating Cheese	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B278-1978%252FCXS_278e.pdf
CXS 284-1971	Standard for Whey Cheeses This Standard applies to all products intended for direct consumption or further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B284-1971%252FCXS_284e.pdf

Table 10 Individual cheese standards.

Code	Name	Register
CXS 262-2006	Standard for Mozzarella This Standard applies to Mozzarella intended for direct consumption or for further processing,	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B263-1966%252FCXS_263e.pdf
CXS 263-2006	Standard for Cheddar This Standard applies to Cheddar intended for direct consumption or for further processing	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B263-1966%252FCXS_263e.pdf
CXS 264-2006	Standard for Danbo This Standard applies to Danbo intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B264-1966%252FCXS_264e.pdf
CXS 265-2006	Standard for Edam This Standard applies to Edam intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B265-1966%252FCXS_265e.pdf
CXS 266-2006	Standard for Gouda This Standard applies to Gouda intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B266-1966%252FCXS_266e.pdf
CXS 267-2006	Standard for Havarti This Standard applies to Havarti intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B267-1966%252FCXS_267e.pdf
CXS 268-2006	Standard for Samsø This Standard applies to Samsø intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B268-1966%252FCXS_268e.pdf

		ndards%252FCXS%2B268-1966%252FCXS_268e.pdf
CXS 269-2006	Standard for Emmental This Standard applies to Emmental intended for direct consumption or for further processing	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B269-1967%252FCXS_269e.pdf
CXS 270-2006	Standard for Tilsiter This Standard applies to Tilsiter intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B270-1968%252FCXS_270e.pdf
CXS 271-2006	Standard for Saint-Paulin This Standard applies to Saint-Paulin intended for direct consumption or for further processing	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B271-1968%252FCXS_271e.pdf
CXS 272-2006	Standard for Provolone This Standard applies to Provolone intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B272-1968%252FCXS_272e.pdf
CXS 273-2006	Standard for Cottage Cheese This Standard applies to Cottage Cheese intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B273-1968%252FCXS_273e.pdf
CXS 274-2006	Standard for Coulommiers This Standard applies to Coulommiers intended for direct consumption or for further processing	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B274-1969%252FCXS_274e.pdf
CXS 275-2006	Standard for Cream Cheese This Standard applies to Cream Cheese intended for direct consumption or for further processing	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B275-1973%252FCXS_275e.pdf
CXS 276-2006	Standard for Camembert This Standard applies to Camembert intended for direct consumption or for further processing	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B276-1973%252FCXS_276e.pdf
CXS 277-2006	Standard for Brie This Standard applies to Brie intended for direct consumption or for further processing.	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B277-1973%252FCXS_277e.pdf
CXS 276-2006	Standard for Extra Hard Grating Cheese	https://www.fao.org/fao-who-codexalimentarius/sh-proxy/en/?lnk=1&url=https%253A%252F%252Fworkspace.fao.org%252Fsites%252Fcodex%252FStandards%252FCXS%2B278-1978%252FCXS_278e.pdf

ISO STANDARDS FOR MILK AND MILK PRODUCTS

Standards are the distilled wisdom of people with expertise in their subject matter and who know the needs of the organizations they represent – people such as manufacturers, sellers, buyers, customers, trade associations, users or regulators [23]. The actual list of ISO standard for dairy sector is present in Table 11.

Table 11 Milk and milk products in general.

ICS	FIELD	Register	
67.100.01	Milk and milk products in general	https://www.iso.org/ics/67.100.01/x/	
STANDARD AND/OR PROJECT (62)		STAGE	TC
ISO 707:2008	Milk and milk products — Guidance on sampling	90.93	<u>ISO/TC 34/SC 5</u>
ISO 3889:2006	Milk and milk products — Specification of Mojonier-type fat extraction flasks	90.93	<u>ISO/TC 34/SC 5</u>
ISO 3890-1:2009	Milk and milk products — Determination of residues of organochlorine compounds (pesticides) — Part 1: General considerations and extraction methods	90.93	<u>ISO/TC 34/SC 5</u>
ISO 3890-2:2009	Milk and milk products — Determination of residues of organochlorine compounds (pesticides) — Part 2: Test methods for crude extract purification and confirmation	90.93	<u>ISO/TC 34/SC 5</u>
ISO 5538:2004	Milk and milk products — Sampling — Inspection by attributes	90.60	<u>ISO/TC 34/SC 5</u>
ISO 5738:2004	Milk and milk products — Determination of copper content — Photometric method (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 6611:2004	Milk and milk products — Enumeration of colony-forming units of yeasts and/or moulds — Colony-count technique at 25 degrees C	90.93	<u>ISO/TC 34/SC 5</u>
ISO 6732:2010	Milk and milk products — Determination of iron content — Spectrometric method (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO/TS 6733:2006	Milk and milk products — Determination of lead content — Graphite furnace atomic absorption spectrometric method	90.93	<u>ISO/TC 34/SC 5</u>
ISO 7208:2008	Skimmed milk, whey and buttermilk — Determination of fat content — Gravimetric method (Reference method)	90.20	<u>ISO/TC 34/SC 5</u>
ISO 8260:2008	Milk and milk products — Determination of organochlorine pesticides and polychlorobiphenyls — Method using capillary gas-liquid chromatography with electron-capture detection	90.20	<u>ISO/TC 34/SC 5</u>
ISO 8262-1:2005	Milk products and milk-based foods — Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) — Part 1: Infant foods	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8262-2:2005	Milk products and milk-based foods — Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) — Part 2: Edible ices and ice-mixes	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8262-3:2005	Milk products and milk-based foods — Determination of fat content by the Weibull-Berntrop gravimetric method (Reference method) — Part 3: Special cases	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8870:2006	Milk and milk-based products — Detection of thermonuclease produced by coagulase-positive staphylococci	90.93	<u>ISO/TC 34/SC 5</u>
ISO 9231:2008	Milk and milk products — Determination of the benzoic and sorbic acid contents	90.20	<u>ISO/TC 34/SC 5</u>
ISO 10932:2010	Milk and milk products — Determination of the minimal inhibitory concentration (MIC) of antibiotics applicable to bifidobacteria and non-enterococcal lactic acid bacteria (LAB)	90.92	<u>ISO/TC 34/SC 5</u>
ISO/TS 11059:2009	Milk and milk products — Method for the enumeration of <i>Pseudomonas</i> spp.	90.92	<u>ISO/TC 34/SC 5</u>

ISO 11813:2010	Milk and milk products — Determination of zinc content — Flame atomic absorption spectrometric method	90.60	<u>ISO/TC 34/SC 5</u>
ISO 11866-1:2005	Milk and milk products — Enumeration of presumptive Escherichia coli — Part 1: Most probable number technique using 4-methylumbelliferyl-beta-D-glucuronide (MUG)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 11866-2:2005	Milk and milk products — Enumeration of presumptive Escherichia coli — Part 2: Colony-count technique at 44 degrees C using membranes	90.93	<u>ISO/TC 34/SC 5</u>
ISO 11870:2009	Milk and milk products — Determination of fat content — General guidance on the use of butyrometric methods	90.93	<u>ISO/TC 34/SC 5</u>
ISO 12078:2006	Anhydrous milk fat — Determination of sterol composition by gas liquid chromatography (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 13082:2011	Milk and milk products — Determination of the lipase activity of pregastric lipase preparation	90.93	<u>ISO/TC 34/SC 5</u>
ISO 14156:2001	Milk and milk products — Extraction methods for lipids and liposoluble compounds	90.60	<u>ISO/TC 34/SC 5</u>
ISO 14156:2001/AMD 1:2007	Milk and milk products — Extraction methods for lipids and liposoluble compounds — Amendment 1	60.60	<u>ISO/TC 34/SC 5</u>
ISO 14673-1:2004	Milk and milk products — Determination of nitrate and nitrite contents — Part 1: Method using cadmium reduction and spectrometry	90.93	<u>ISO/TC 34/SC 5</u>
ISO 14673-2:2004	Milk and milk products — Determination of nitrate and nitrite contents — Part 2: Method using segmented flow analysis (Routine method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 14673-3:2004	Milk and milk products — Determination of nitrate and nitrite contents — Part 3: Method using cadmium reduction and flow injection analysis with in-line dialysis (Routine method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 14891:2002	Milk and milk products — Determination of nitrogen content — Routine method using combustion according to the Dumas principle	90.93	<u>ISO/TC 34/SC 5</u>
ISO 15163:2012	Milk and milk products — Calf rennet and adult bovine rennet — Determination by chromatography of chymosin and bovine pepsin contents	90.93	<u>ISO/TC 34/SC 5</u>
ISO/TS 15495:2010	Milk, milk products and infant formulae — Guidelines for the quantitative determination of melamine and cyanuric acid by LC-MS/MS	90.93	<u>ISO/TC 34/SC 5</u>
ISO 17129:2006	Milk powder — Determination of soy and pea proteins using capillary electrophoresis in the presence of sodium dodecyl sulfate (SDS-CE) — Screening method	90.60	<u>ISO/TC 34/SC 5</u>
ISO/TS 17193:2011	Milk — Determination of the lactoperoxidase activity — Photometric method (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 17792:2006	Milk, milk products and mesophilic starter cultures — Enumeration of citrate-fermenting lactic acid bacteria — Colony-count technique at 25 degrees C	90.93	<u>ISO/TC 34/SC 5</u>
ISO 18252:2006	Anhydrous milk fat — Determination of sterol composition by gas liquid chromatography (Routine method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 18329:2004	Milk and milk products — Determination of furosine content — Ion-pair reverse-phase high-performance liquid chromatography method	90.93	<u>ISO/TC 34/SC 5</u>
ISO 18330:2003	Milk and milk products — Guidelines for the standardized description of immunoassays or receptor assays for the detection of antimicrobial residues	90.60	<u>ISO/TC 34/SC 5</u>

ISO/TS 19046-1:2017		
Cheese — Determination of propionic acid level by chromatography — Part 1: Method by gas chromatography	90.93	<u>ISO/TC 34/SC 5</u>
ISO/TS 19046-2:2017		
Cheese — Determination of propionic acid level by chromatography — Part 2: Method by ion exchange chromatography	90.93	<u>ISO/TC 34/SC 5</u>
ISO 19662:2018		
Milk — Determination of fat content — Acido-butyrometric (Gerber method)	60.60	<u>ISO/TC 34/SC 5</u>
ISO 20541:2008		
Milk and milk products — Determination of nitrate content — Method by enzymatic reduction and molecular-absorption spectrometry after Griess reaction	90.20	<u>ISO/TC 34/SC 5</u>
ISO 21187:2021		
Milk — Quantitative determination of microbiological quality — Guidance for establishing and verifying a conversion relationship between results of an alternative method and anchor method results	60.60	<u>ISO/TC 34/SC 5</u>
ISO 21543:2020		
Milk and milk products — Guidelines for the application of near infrared spectrometry	60.60	<u>ISO/TC 34/SC 5</u>
ISO 22184:2021		
Milk and milk products — Determination of the sugar contents — High performance anion exchange chromatography with pulsed amperometric detection method (HPAEC-PAD)	60.60	<u>ISO/TC 34/SC 5</u>
ISO 22186:2020		
Milk and milk products — Determination of nitrofurazone	60.60	<u>ISO/TC 34/SC 5</u>
ISO 22662:2007		
Milk and milk products — Determination of lactose content by high-performance liquid chromatography (Reference method)	90.92	<u>ISO/TC 34/SC 5</u>
ISO 22935-1:2009		
Milk and milk products — Sensory analysis — Part 1: General guidance for the recruitment, selection, training and monitoring of assessors	90.92	<u>ISO/TC 34/SC 5</u>
ISO/DIS 22935-1		
Milk and milk products — Sensory analysis — Part 1: General guidance for the recruitment, selection, training and monitoring of assessors	40.20	<u>ISO/TC 34/SC 5</u>
ISO 22935-2:2009		
Milk and milk products — Sensory analysis — Part 2: Recommended methods for sensory evaluation	90.92	<u>ISO/TC 34/SC 5</u>
ISO/DIS 22935-2		
Milk and milk products — Sensory analysis — Part 2: Recommended methods for sensory evaluation	40.20	<u>ISO/TC 34/SC 5</u>
ISO 22935-3:2009		
Milk and milk products — Sensory analysis — Part 3: Guidance on a method for evaluation of compliance with product specifications for sensory properties by scoring	90.92	<u>ISO/TC 34/SC 5</u>
ISO/DIS 22935-3		
Milk and milk products — Sensory analysis — Part 3: Guidance on a method for evaluation of compliance with product specifications for sensory properties by scoring	40.20	<u>ISO/TC 34/SC 5</u>
ISO 22964:2017		
Microbiology of the food chain — Horizontal method for the detection of <i>Cronobacter</i> spp.	90.20	<u>ISO/TC 34/SC 9</u>
ISO 23058:2006		
Milk and milk products — Ovine and caprine rennets — Determination of total milk-clotting activity	90.93	<u>ISO/TC 34/SC 5</u>
ISO 23293:2020		
Milk-based infant formula powders — Quantification of whey protein content by sodium dodecyl sulfate-capillary gel electrophoresis (SDS-CGE)	60.60	<u>ISO/TC 34/SC 5</u>
ISO/TS 23758:2021		
Guidelines for the validation of qualitative screening methods for the detection of residues of veterinary drugs in milk and milk products	60.60	<u>ISO/TC 34/SC 5</u>
ISO 26323:2009		
	90.93	<u>ISO/TC 34/SC 5</u>

Milk products — Determination of the acidification activity of dairy cultures by continuous pH measurement (CpH)			
ISO/TS 26844:2006			
Milk and milk products — Determination of antimicrobial residues — Tube diffusion test	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 27105:2016			
Milk and cheese — Determination of hen's egg white lysozyme content by high performance liquid chromatography	90.60	<u>ISO/TC 34/SC 5</u>	
ISO 29981:2010			
Milk products — Enumeration of presumptive bifidobacteria — Colony count technique at 37 degrees C	90.92	<u>ISO/TC 34/SC 5</u>	
ISO/CD 29981			
Milk products — Enumeration of bifidobacteria — Colony count technique at 37 °C	30.60	<u>ISO/TC 34/SC 5</u>	
ICS	FIELD	Register	
67.100.10	Milk and processed milk products Including dried milk, condensed milk and evaporated milk	https://www.iso.org/ics/67.100.10/x/	
STANDARD AND/OR PROJECT (80)	STAGE	TC	
ISO 1211:2010			
Milk — Determination of fat content — Gravimetric method (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 1736:2008			
Dried milk and dried milk products — Determination of fat content — Gravimetric method (Reference method)	90.20	<u>ISO/TC 34/SC 5</u>	
ISO 1737:2008			
Evaporated milk and sweetened condensed milk — Determination of fat content — Gravimetric method (Reference method)	90.20	<u>ISO/TC 34/SC 5</u>	
ISO 1740:2004			
Milkfat products and butter — Determination of fat acidity (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 2446:2008			
Milk — Determination of fat content	95.60	<u>ISO/TC 34/SC 5</u>	
ISO 2911:2004			
Sweetened condensed milk — Determination of sucrose content — Polarimetric method	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 3356:2009			
Milk — Determination of alkaline phosphatase	90.60	<u>ISO/TC 34/SC 5</u>	
ISO 3976:2006			
Milk fat — Determination of peroxide value	90.93	<u>ISO/TC 34/SC 5</u>	
ISO/DIS 4214			
Milk and milk products — Determination of amino acids in infant formula and other dairy products	40.60	<u>ISO/TC 34/SC 5</u>	
ISO 5536:2009			
Milk fat products — Determination of water content — Karl Fischer method	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 5537:2004			
Dried milk — Determination of moisture content (Reference method)	90.92	<u>ISO/TC 34/SC 5</u>	
ISO 5764:2009			
Milk — Determination of freezing point — Thermistor cryoscope method (Reference method)	90.60	<u>ISO/TC 34/SC 5</u>	
ISO 5765-1:2002			
Dried milk, dried ice-mixes and processed cheese — Determination of lactose content — Part 1: Enzymatic method utilizing the glucose moiety of the lactose	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 5765-2:2002			
Dried milk, dried ice-mixes and processed cheese — Determination of lactose content — Part 2: Enzymatic method utilizing the galactose moiety of the lactose	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 6091:2010			
Dried milk — Determination of titratable acidity (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 6092:1980			
Dried milk — Determination of titratable acidity (Routine method)	90.93	<u>ISO/TC 34/SC 5</u>	
ISO 6731:2010			
Milk, cream and evaporated milk — Determination of total solids content (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>	

ISO 6734:2010	Sweetened condensed milk — Determination of total solids content (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 8069:2005	Dried milk — Determination of content of lactic acid and lactates	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8070:2007	Milk and milk products — Determination of calcium, sodium, potassium and magnesium contents — Atomic absorption spectrometric method	90.93	<u>ISO/TC 34/SC 5</u>
ISO 8156:2005	Dried milk and dried milk products — Determination of insolubility index	90.93	<u>ISO/TC 34/SC 5</u>
ISO 8196-1:2009	Milk — Definition and evaluation of the overall accuracy of alternative methods of milk analysis — Part 1: Analytical attributes of alternative methods	90.93	<u>ISO/TC 34/SC 5</u>
ISO 8196-2:2009	Milk — Definition and evaluation of the overall accuracy of alternative methods of milk analysis — Part 2: Calibration and quality control in the dairy laboratory	90.93	<u>ISO/TC 34/SC 5</u>
ISO 8196-3:2022	Milk — Definition and evaluation of the overall accuracy of alternative methods of milk analysis — Part 3: Protocol for the evaluation and validation of alternative quantitative methods of milk analysis	60.60	<u>ISO/TC 34/SC 5</u>
ISO 8967:2005	Dried milk and dried milk products — Determination of bulk density	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8968-1:2014	Milk and milk products — Determination of nitrogen content — Part 1: Kjeldahl principle and crude protein calculation	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8968-3:2004	Milk — Determination of nitrogen content — Part 3: Block-digestion method (Semi-micro rapid routine method)	90.60	<u>ISO/TC 34/SC 5</u>
ISO 8968-3:2004/COR 1:2011	Milk — Determination of nitrogen content — Part 3: Block-digestion method (Semi-micro rapid routine method) — Technical Corrigendum 1	60.60	<u>ISO/TC 34/SC 5</u>
ISO 8968-4:2016	Milk and milk products — Determination of nitrogen content — Part 4: Determination of protein and non-protein nitrogen content and true protein content calculation (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 9622:2013	Milk and liquid milk products — Guidelines for the application of mid-infrared spectrometry	90.93	<u>ISO/TC 34/SC 5</u>
ISO 9874:2006	Milk — Determination of total phosphorus content — Method using molecular absorption spectrometry	90.93	<u>ISO/TC 34/SC 5</u>
ISO 9874:2006/COR 1:2007	Milk — Determination of total phosphorus content — Method using molecular absorption spectrometry — Technical Corrigendum 1	60.60	<u>ISO/TC 34/SC 5</u>
ISO/TS 9941:2005	Milk and canned evaporated milk — Determination of tin content — Spectrometric method	90.20	<u>ISO/TC 34/SC 5</u>
ISO 11285:2004	Milk — Determination of lactulose content — Enzymatic method	90.93	<u>ISO/TC 34/SC 5</u>
ISO 11814:2002	Dried milk — Assessment of heat treatment intensity — Method using high-performance liquid chromatography	90.93	<u>ISO/TC 34/SC 5</u>
ISO 11815:2007	Milk — Determination of total milk-clotting activity of bovine rennets	90.93	<u>ISO/TC 34/SC 5</u>
ISO 11816-1:2013	Milk and milk products — Determination of alkaline phosphatase activity — Part 1: Fluorimetric method for milk and milk-based drinks	90.60	<u>ISO/TC 34/SC 5</u>
ISO 11865:2009	Instant whole milk powder — Determination of white flecks number	90.93	<u>ISO/TC 34/SC 5</u>
ISO 11868:2007		90.93	<u>ISO/TC 34/SC 5</u>

Heat-treated milk — Determination of lactulose content — Method using high-performance liquid chromatography		
ISO 12080-1:2009	Dried skimmed milk — Determination of vitamin A content — Part 1: Colorimetric method	90.93 <u>ISO/TC 34/SC 5</u>
ISO 12080-2:2009	Dried skimmed milk — Determination of vitamin A content — Part 2: Method using high-performance liquid chromatography	90.93 <u>ISO/TC 34/SC 5</u>
ISO 12081:2010	Milk — Determination of calcium content — Titrimetric method	90.93 <u>ISO/TC 34/SC 5</u>
ISO 13366-1:2008	Milk — Enumeration of somatic cells — Part 1: Microscopic method (Reference method)	90.60 <u>ISO/TC 34/SC 5</u>
ISO 13366-1:2008/COR 1:2009	Milk — Enumeration of somatic cells — Part 1: Microscopic method (Reference method) — Technical Corrigendum 1	60.60 <u>ISO/TC 34/SC 5</u>
ISO 13366-2:2006	Milk — Enumeration of somatic cells — Part 2: Guidance on the operation of fluoro-opto-electronic counters	90.60 <u>ISO/TC 34/SC 5</u>
ISO 13875:2005	Liquid milk — Determination of acid-soluble beta-lactoglobulin content — Reverse-phase HPLC method	90.93 <u>ISO/TC 34/SC 5</u>
ISO 14377:2002	Canned evaporated milk — Determination of tin content — Method using graphite furnace atomic absorption spectrometry	90.93 <u>ISO/TC 34/SC 5</u>
ISO 14378:2009	Milk and dried milk — Determination of iodide content — Method using high-performance liquid chromatography	90.93 <u>ISO/TC 34/SC 5</u>
ISO 14501:2021	Milk and milk powder — Determination of aflatoxin M1 content — Clean-up by immunoaffinity chromatography and determination by high-performance liquid chromatography	60.60 <u>ISO/TC 34/SC 5</u>
ISO 14637:2004	Milk — Determination of urea content — Enzymatic method using difference in pH (Reference method)	90.93 <u>ISO/TC 34/SC 5</u>
ISO 14674:2005	Milk and milk powder — Determination of aflatoxin M1 content — Clean-up by immunoaffinity chromatography and determination by thin-layer chromatography	90.93 <u>ISO/TC 34/SC 5</u>
ISO 14675:2003	Milk and milk products — Guidelines for a standardized description of competitive enzyme immunoassays — Determination of aflatoxin M1 content	90.60 <u>ISO/TC 34/SC 5</u>
ISO 14892:2002	Dried skimmed milk — Determination of vitamin D content using high-performance liquid chromatography	90.93 <u>ISO/TC 34/SC 5</u>
ISO 15151:2018	Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma atomic emission spectrometry (ICP-AES) method	60.60 <u>ISO/TC 34/SC 5</u>
ISO 15174:2012	Milk and milk products — Microbial coagulants — Determination of total milk-clotting activity	90.93 <u>ISO/TC 34/SC 5</u>
ISO 15322:2005	Dried milk and dried milk products — Determination of their behaviour in hot coffee (Coffee test)	90.93 <u>ISO/TC 34/SC 5</u>
ISO 15323:2002	Dried milk protein products — Determination of nitrogen solubility index	90.93 <u>ISO/TC 34/SC 5</u>
ISO 15884:2002	Milk fat — Preparation of fatty acid methyl esters	90.93 <u>ISO/TC 34/SC 5</u>
ISO 15885:2002	Milk fat — Determination of the fatty acid composition by gas-liquid chromatography	90.60 <u>ISO/TC 34/SC 5</u>

ISO 16297:2020		60.60	<u>ISO/TC 34/SC 5</u>
Milk — Bacterial count — Protocol for the evaluation of alternative methods			
ISO 16958:2015		90.92	<u>ISO/TC 34/SC 5</u>
Milk, milk products, infant formula and adult nutritionals — Determination of fatty acids composition — Capillary gas chromatographic method			
ISO/DIS 16958		40.99	<u>ISO/TC 34/SC 5</u>
Milk, milk products, infant formula and adult nutritionals — Determination of fatty acids composition — Capillary gas chromatographic method			
ISO 17678:2019		60.60	<u>ISO/TC 34/SC 5</u>
Milk and milk products — Determination of milk fat purity by gas chromatographic analysis of triglycerides			
ISO/TS 17758:2014		90.93	<u>ISO/TC 34/SC 5</u>
Instant dried milk — Determination of the dispersibility and wettability			
ISO 17997-1:2004		90.93	<u>ISO/TC 34/SC 5</u>
Milk — Determination of casein-nitrogen content — Part 1: Indirect method (Reference method)			
ISO 17997-2:2004		90.93	<u>ISO/TC 34/SC 5</u>
Milk — Determination of casein-nitrogen content — Part 2: Direct method			
ISO 19344:2015		90.93	<u>ISO/TC 34/SC 5</u>
Milk and milk products — Starter cultures, probiotics and fermented products — Quantification of lactic acid bacteria by flow cytometry			
ISO 20128:2006		90.93	<u>ISO/TC 34/SC 5</u>
Milk products — Enumeration of presumptive <i>Lactobacillus acidophilus</i> on a selective medium — Colony-count technique at 37 degrees C			
ISO 21422:2018		60.60	<u>ISO/TC 34/SC 5</u>
Milk, milk products, infant formula and adult nutritionals — Determination of chloride — Potentiometric titration method			
ISO 21424:2018		60.60	<u>ISO/TC 34/SC 5</u>
Milk, milk products, infant formula and adult nutritionals — Determination of minerals and trace elements — Inductively coupled plasma mass spectrometry (ICP-MS) method			
ISO/TS 22113:2012		90.60	<u>ISO/TC 34/SC 5</u>
Milk and milk products — Determination of the titratable acidity of milk fat			
ISO 22160:2007		90.93	<u>ISO/TC 34/SC 5</u>
Milk and milk-based drinks — Determination of alkaline phosphatase activity — Enzymatic photo-activated system (EPAS) method			
ISO 23065:2009		90.93	<u>ISO/TC 34/SC 5</u>
Milk fat from enriched dairy products — Determination of omega-3 and omega-6 fatty acid content by gas-liquid chromatography			
ISO 23291:2020		60.60	<u>ISO/TC 34/SC 5</u>
Milk and milk products — Guidelines for the application of in-line and on-line infrared spectrometry			
ISO 23305:2020		60.60	<u>ISO/TC 34</u>
Fortified milk powders, infant formula and adult nutritionals — Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction			
ISO/DIS 23318		40.60	<u>ISO/TC 34/SC 5</u>
Milk, dried milk products and cream — Determination of fat content — Gravimetric method			
ISO 23970:2021		60.60	<u>ISO/TC 34/SC 5</u>
Milk, milk products and infant formula — Determination of melamine and cyanuric acid by liquid chromatography and tandem mass spectrometry (LC-MS/MS)			
ISO 26462:2010		90.93	<u>ISO/TC 34/SC 5</u>
Milk — Determination of lactose content — Enzymatic method using difference in pH			
ISO 27205:2010		90.93	<u>ISO/TC 34/SC 5</u>
Fermented milk products — Bacterial starter cultures — Standard of identity			
ISO/TS 27265:2009		90.92	<u>ISO/TC 34/SC 5</u>
Dried milk — Enumeration of the specially thermoresistant spores of thermophilic bacteria			
ICS	FIELD		Register

67.100.20	Butter	https://www.iso.org/ics/67.100.20/x/	
STANDARD AND/OR PROJECT (12)		STAGE	TC
ISO 1738:2004 Butter — Determination of salt content		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 1739:2006 Butter — Determination of the refractive index of the fat (Reference method)		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 3727-1:2001 Butter — Determination of moisture, non-fat solids and fat contents — Part 1: Determination of moisture content (Reference method)		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 3727-2:2001 Butter — Determination of moisture, non-fat solids and fat contents — Part 2: Determination of non-fat solids content (Reference method)		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 3727-3:2003 Butter — Determination of moisture, non-fat solids and fat contents — Part 3: Calculation of fat content		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 7238:2004 Butter — Determination of pH of the serum — Potentiometric method		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 8851-1:2004 Butter — Determination of moisture, non-fat solids and fat contents (Routine methods) — Part 1: Determination of moisture content		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 8851-2:2004 Butter — Determination of moisture, non-fat solids and fat contents (Routine methods) — Part 2: Determination of non-fat solids content		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 8851-3:2004 Butter — Determination of moisture, non-fat solids and fat contents (Routine methods) — Part 3: Calculation of fat content		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 15648:2004 Butter — Determination of salt content — Potentiometric method		<u>90.60</u>	<u>ISO/TC 34/SC 5</u>
ISO 16305:2005 Butter — Determination of firmness		<u>90.60</u>	<u>ISO/TC 34/SC 5</u>
ISO 17189:2003 Butter, edible oil emulsions and spreadable fats — Determination of fat content (Reference method)		<u>90.60</u>	<u>ISO/TC 34/SC 5</u>
ICS	FIELD	Register	
67.100.30	Cheese Including cottage cheese, whey cheese	https://www.iso.org/ics/67.100.30/x/	
STANDARD AND/OR PROJECT (24)		STAGE	TC
ISO 1740:2004 Milkfat products and butter — Determination of fat acidity (Reference method)		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 1854:2008 Whey cheese — Determination of fat content — Gravimetric method (Reference method)		<u>90.20</u>	<u>ISO/TC 34/SC 5</u>
ISO 2920:2004 Whey cheese — Determination of dry matter (Reference method)		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 2962:2010 Cheese and processed cheese products — Determination of total phosphorus content — Molecular absorption spectrometric method		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO/TS 2963:2006 Cheese and processed cheese products — Determination of citric acid content — Enzymatic method		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 3432:2008 Cheese — Determination of fat content — Butyrometer for Van Gulik method		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 3433:2008 Cheese — Determination of fat content — Van Gulik method		<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 5534:2004 Cheese and processed cheese — Determination of the total solids content (Reference method)		<u>90.60</u>	<u>ISO/TC 34/SC 5</u>
ISO 5534:2004/COR 1:2013 Cheese and processed cheese — Determination of the total solids content (Reference method) — Technical Corrigendum 1		<u>60.60</u>	<u>ISO/TC 34/SC 5</u>

ISO 5765-1:2002	Dried milk, dried ice-mixes and processed cheese — Determination of lactose content — Part 1: Enzymatic method utilizing the glucose moiety of the lactose	90.93	<u>ISO/TC 34/SC 5</u>
ISO 5765-2:2002	Dried milk, dried ice-mixes and processed cheese — Determination of lactose content — Part 2: Enzymatic method utilizing the galactose moiety of the lactose	90.93	<u>ISO/TC 34/SC 5</u>
ISO 5943:2006	Cheese and processed cheese products — Determination of chloride content — Potentiometric titration method	90.93	<u>ISO/TC 34/SC 5</u>
ISO 9233-1:2018	Cheese, cheese rind and processed cheese — Determination of natamycin content — Part 1: Molecular absorption spectrometric method for cheese rind	60.60	<u>ISO/TC 34/SC 5</u>
ISO 9233-2:2018	Cheese, cheese rind and processed cheese — Determination of natamycin content — Part 2: High-performance liquid chromatographic method for cheese, cheese rind and processed cheese	60.60	<u>ISO/TC 34/SC 5</u>
ISO 11816-2:2016	Milk and milk products — Determination of alkaline phosphatase activity — Part 2: Fluorimetric method for cheese	90.60	<u>ISO/TC 34/SC 5</u>
ISO 12082:2006	Processed cheese and processed cheese products — Calculation of the content of added citrate emulsifying agents and acidifiers/pH-controlling agents, expressed as citric acid	90.60	<u>ISO/TC 34/SC 5</u>
ISO/TS 17996:2006	Cheese — Determination of rheological properties by uniaxial compression at constant displacement rate	90.60	<u>ISO/TC 34/SC 5</u>
ISO/TS 18083:2013	Processed cheese products — Calculation of content of added phosphate expressed as phosphorus	90.93	<u>ISO/TC 34/SC 5</u>
ISO/TS 19046-1:2017	Cheese — Determination of propionic acid level by chromatography — Part 1: Method by gas chromatography	90.93	<u>ISO/TC 34/SC 5</u>
ISO/TS 19046-2:2017	Cheese — Determination of propionic acid level by chromatography — Part 2: Method by ion exchange chromatography	90.93	<u>ISO/TC 34/SC 5</u>
ISO 23319:2022	Cheese and processed cheese products, caseins and caseinates — Determination of fat content — Gravimetric method	60.60	<u>ISO/TC 34/SC 5</u>
ISO 24223:2021	Cheese — Guidance on sample preparation for physical and chemical testing	60.60	<u>ISO/TC 34/SC 5</u>
ISO/TS 27106:2009	Cheese — Determination of nisin A content by LC-MS and LC-MS-MS	90.93	<u>ISO/TC 34/SC 5</u>
ISO 27871:2011	Cheese and processed cheese — Determination of the nitrogenous fractions	90.93	<u>ISO/TC 34/SC 5</u>
ICS	FIELD	Register	
67.100.40	Ice cream and ice confectionery Including sorbets	https://www.iso.org/ics/67.100.40/x/	
STANDARD AND/OR PROJECT (4)		STAGE	TC
ISO 3728:2004	Ice-cream and milk ice — Determination of total solids content (Reference method)	90.93	<u>ISO/TC 34/SC 5</u>
ISO 5765-1:2002	Dried milk, dried ice-mixes and processed cheese — Determination of lactose content — Part 1: Enzymatic method utilizing the glucose moiety of the lactose	90.93	<u>ISO/TC 34/SC 5</u>
ISO 5765-2:2002	Dried milk, dried ice-mixes and processed cheese — Determination of lactose content — Part 2: Enzymatic method utilizing the galactose moiety of the lactose	90.93	<u>ISO/TC 34/SC 5</u>
ISO 7328:2008	Milk-based edible ices and ice mixes — Determination of fat content — Gravimetric method (Reference method)	90.20	<u>ISO/TC 34/SC 5</u>
ICS	FIELD	Register	

67.100.99	Other milk products	https://www.iso.org/ics/67.100.99/x/	
STANDARD AND/OR PROJECT (16)		STAGE	TC
ISO 5547:2008	Caseins — Determination of free acidity (Reference method)	<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 5548:2004	Caseins and caseinates — Determination of lactose content — Photometric method	<u>90.60</u>	<u>ISO/TC 34/SC 5</u>
ISO 5550:2006	Caseins and caseinates — Determination of moisture content (Reference method)	<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 5739:2003	Caseins and caseinates — Determination of contents of scorched particles and of extraneous matter	<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 6731:2010	Milk, cream and evaporated milk — Determination of total solids content (Reference method)	<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 7889:2003	Yogurt — Enumeration of characteristic microorganisms — Colony-count technique at 37 degrees C	<u>90.92</u>	<u>ISO/TC 34/SC 5</u>
ISO/CD 7889	Yogurt — Enumeration of characteristic microorganisms — Colony-count technique	<u>30.60</u>	<u>ISO/TC 34/SC 5</u>
ISO 8381:2008	Milk-based infant foods — Determination of fat content — Gravimetric method (Reference method)	<u>90.20</u>	<u>ISO/TC 34/SC 5</u>
ISO/TS 11869:2012	Fermented milks — Determination of titratable acidity — Potentiometric method	<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 12779:2011	Lactose — Determination of water content — Karl Fischer method	<u>90.93</u>	<u>ISO/TC 34/SC 5</u>
ISO 13580:2005	Yogurt — Determination of total solids content (Reference method)	<u>90.60</u>	<u>ISO/TC 34/SC 5</u>
ISO 19660:2018	Cream — Determination of fat content — Acido-butyrometric method	<u>60.60</u>	<u>ISO/TC 34/SC 5</u>

CONCLUSION

The legal regulations of the European Union, hygiene manuals, ISO standards, and *Codex Alimentarius* standards create a framework that regulates the production of milk and dairy products, payment systems for primary producers, contains rules for their safety, and quality, labeling, control, and consumer health protection. These rules apply at all stages of the food chain, in primary production, production, and various forms of sale, including import and export. The main objectives of the legislation include consumer protection, consumer information, free movement of milk and dairy products within the EU, regulation of imports and exports of these products, and establishing a quality system for specific products such as protected label products or organic food.

REFERENCES

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2. Commission Delegated Regulation (EU) 2020/692 of 30 January 2020 supplementing Regulation (EU) 2016/429 of the European Parliament and of the Council as regards rules for entry into the Union, and the movement and handling after entry of consignments of certain animals, germinal products and products of animal origin. OJ L 174, 3.6.2020, p. 379–520.
3. Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety. OJ L 31, 1.2.2002, p. 1–24.
4. Regulation (EC) No 852/2004 of the European Parliament and of the Council of 29 April 2004 on the hygiene of foodstuffs. OJ L 139, 30.4.2004, p. 1–54.
5. Regulation (EC) No 853/2004 of the European Parliament and of the Council of 29 April 2004 laying down specific hygiene rules for food of animal origin. OJ L 139, 30.4.2004, p. 55–205.
6. Regulation (EU) 2017/625 of the European Parliament and of the Council of 15 March 2017 on official controls and other official activities performed to ensure the application of food and feed law, rules on animal health and welfare, plant health and plant protection products, amending Regulations (EC) No 999/2001,

- (EC) No 396/2005, (EC) No 1069/2009, (EC) No 1107/2009, (EU) No 1151/2012, (EU) No 652/2014, (EU) 2016/429 and (EU) 2016/2031 of the European Parliament and of the Council, Council Regulations (EC) No 1/2005 and (EC) No 1099/2009 and Council Directives 98/58/EC, 1999/74/EC, 2007/43/EC, 2008/119/EC and 2008/120/EC, and repealing Regulations (EC) No 854/2004 and (EC) No 882/2004 of the European Parliament and of the Council, Council Directives 89/608/EEC, 89/662/EEC, 90/425/EEC, 91/496/EEC, 96/23/EC, 96/93/EC and 97/78/EC and Council Decision 92/438/EEC (Official Controls Regulation)Text with EEA relevance. OJ L 95, 7.4.2017, p. 1–142.
7. Commission Implementing Regulation (EU) 2019/627 of 15 March 2019 laying down uniform practical arrangements for the performance of official controls on products of animal origin intended for human consumption in accordance with Regulation (EU) 2017/625 of the European Parliament and of the Council and amending Commission Regulation (EC) No 2074/2005 as regards official controls. OJ L 131, 17.5.2019, p. 51–100.
 8. Commission Implementing Regulation (EU) 2021/405 of 24 March 2021 laying down the lists of third countries or regions thereof authorised for the entry into the Union of certain animals and goods intended for human consumption in accordance with Regulation (EU) 2017/625 of the European Parliament and of the Council. OJ L 114, 31.3.2021, p. 118–150.
 9. Commission Implementing Regulation (EU) 2020/2235 of 16 December 2020 laying down rules for the application of Regulations (EU) 2016/429 and (EU) 2017/625 of the European Parliament and of the Council as regards model animal health certificates, model official certificates and model animal health/official certificates, for the entry into the Union and movements within the Union of consignments of certain categories of animals and goods, official certification regarding such certificates and repealing Regulation (EC) No 599/2004, Implementing Regulations (EU) No 636/2014 and (EU) 2019/628, Directive 98/68/EC and Decisions 2000/572/EC, 2003/779/EC and 2007/240/EC. OJ L 442, 30.12.2020, p. 1–409.
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 11. Commission Implementing Regulation (EU) 2019/2130 of 25 November 2019 establishing detailed rules on the operations to be carried out during and after documentary checks, identity checks and physical checks on animals and goods subject to official controls at border control posts. OJ L 321, 12.12.2019, p. 128–138.
 12. Regulation (EU) No 1095/2010 of the European Parliament and of the Council of 24 November 2010 establishing a European Supervisory Authority (European Securities and Markets Authority), amending Decision No 716/2009/EC and repealing Commission Decision 2009/77/EC.
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