MANUFACTURING MILK LAW OF 2001 (EXCERPT) Act 267 of 2001

288.630 Prohibited acts; standards; compliance.

Sec. 70. (1) A person shall not directly, through an agent, or on behalf of another person sell or offer for sale, furnish, or possess or control with intent to sell or offer for sale, or furnish an unsanitary, adulterated, or misbranded milk or dairy product to a person or a processor.

(2) Dairy products made or sold in Michigan shall comply with the requirements of this act and the standards as follows:

Chemical, Physica	al, Bacteriological, and Temp	erature Standards
MANUFACTURING GRADE	Temperature	Bulk milk cooled to 45°F (7°C) or less
RAW MILK FOR		within 2 hours after milking and
PASTEURIZATION (NOT		maintained thereat. Provided that the
FOR FROZEN DESSERTS)		blend temperature after the first and
INCLUDING		subsequent milkings does not exceed
ULTRAFILTRATION OR		50°F (10°C). Can milk not to exceed
REVERSE OSMOSIS RAW		60°F (16°C) if used for cheese
MILK CONCENTRATE		making; if delivered to the plant
		within 2 hours of milking, no
	D 111	temperature limit.
	Bacterial limits	Not to exceed 500,000 per ml (milk
		for cheese not to exceed 750,000 per
		ml). Not to exceed 1,000,000 per ml as
		commingled milk prior to
	Somatic cell count	pasteurization.
		Not to exceed 1,000,000 per ml.
	Drug residues	No positive results on drug residue
		detection methods which have been
		found to be acceptable for use with raw milk.
	Sediment	Not to exceed a USDA no. 3 standard
	Sediment	following procedures from standard
		methods for the examination of milk
		and milk products.
	Freezing point	-0.530°H maximum.
RAW MILK FOR FROZEN	Temperature	Bulk milk cooled to 45°F (7°C) or less
DESSERTS	Temperature	within 2 hours after milking and
DESSERTS		maintained thereat. Provided, that the
		blend temperature after the first and
		subsequent milkings does not exceed
		50°F (10°C).
	Bacterial limits	Not to exceed 100,000 per ml for
		individual supplies, not to exceed
		300,000 per ml commingled.
	Somatic cell counts	Not to exceed 750,000 per ml.
	Drug residues	No positive results on drug residue
	C	detection methods which have been
		found to be acceptable for use with
		raw milk.
	Sediment	Not to exceed a USDA no. 3 standard
		following procedures from standard
		methods for the examination of milk
	.	and milk products.
	Freezing point	-0.530°H maximum.

PASTEURIZED CONDENSED MILK AND CONDENSED SKIM MILK	Temperature	Cooled to 45°F (7°C) [50°F (10°C) if 45% or more solids] or less, or heated to 145° (63°C) or greater and maintained thereat unless the product is being dried within 4 hours after condensing.
	Bacterial limits Coliform count	Not to exceed 30,000 per gram. Not to exceed 10 per gram. Provided, that in the case of bulk milk transport
	Drug residues	tank shipments shall not exceed 100 per ml. No positive results on drug residue detection methods which have been found to be acceptable for use with condensed milk and condensed skim milk.
DRY WHOLE MILK, EXTRA		
GRADE	No more than:	
	Butterfat	Not less than 26% or more than 40%.
	Moisture	4.50%.
	Solubility index	1.0 ml spray process; 15.0 roller process.
	Bacterial limit	Not to exceed 50,000 per gram.
	Coliform count	Not to exceed 10 per gram.
	Scorched particles disc B	15.0/ gram spray process; 22.5 roller
	Drug residues	process. No positive results on drug residue detection methods which have been found to be acceptable for use with
	DMCC count	dry whole milk. Less than 100,000,000 per gram.
DRY WHOLE MILK,		
STANDARD GRADE	No more than: Butterfat	Not less than 26% or more than 40%.
	Moisture	5.00%.
	Titratable acidity	0.15%.
	Solubility index	1.5 ml spray process; 15.0 ml roller
	Bacterial limit	process. Not to exceed 100,000 per gram.
	Coliform count	Not to exceed 10 per gram.
	Scorched particles disc B	
	Drug residues	gram roller process. No positive results on drug residue detection methods which have been
		found to be acceptable for use with
	DMCC	dry, whole milk.
	DMCC count	Less than 100,000,000 per gram.
NONFAT DRY MILK, EXTRA GRADE	No more then	
LATRA URADE	No more than: Butterfat	1.25%
	Moisture	4.00%
	Titratable acidity	0.15%
	Solubility index	1.2 ml (2.0 ml high-heat, max) spray process; 15.0 ml roller process.
Rendered Monday, July 7, 2025	Page 2	Michigan Compiled Laws Complete Through PA 5 of 2025 Courtesy of www.legislature.mi.gov

	Bacterial limit	Not to exceed 10,000 per gram spray
	Bucterial mint	or 50,000 per gram roller process.
	Coliform count	Not to exceed 10 per gram.
	Scorched particles disc B	15.0/ gram spray; 22.5/ gram roller
	Drug residues	process. No positive results on drug residue detection methods which have been found to be acceptable for use with
	DMCC count	nonfat dry milk. Less than 100,000,000 per gram.
NONFAT DRY MILK,	Divice count	Less than 100,000,000 per gram.
STANDARD GRADE	No more than:	
	Butterfat	1.50%
	Moisture	5.00%
	Titratable acidity	0.17%
	Solubility index	2.5 ml spray process; 15.0 ml roller
		process.
	Bacterial estimate	75,000/ gram spray; 100,000/ gram roller process.
	Coliform count	10 per gram.
	Scorched particles disc B	22.5/ gram spray; 32.5/ gram roller
	Drug residues	process. No positive results on drug residue
	- -	detection methods which have been found to be acceptable for use with nonfat dry milk.
	DMCC count	Less than 100,000,000 per gram.
INSTANT NONFAT DRY		
MILK, EXTRA GRADE	No more than:	
	Butterfat	1.25%.
	Moisture	4.50%.
	Titratable acidity	0.15%.
	Solubility index	1.0 ml.
	Bacterial limit	Not to exceed 10,000 per gram.
	Coliform count	Not to exceed 10 per gram.
	Scorched particles disc B	15.0/ gram.
	Drug residues	No positive results on drug residue detection methods which have been found to be acceptable for use with nonfat dry milk.
	Dispersibility	85.0%
	DMCC count	Less than 40,000,000 per gram.
WHEY FOR CONDENSING	Temperature	Maintained at a temperature of 45°F (7°C) or less, or 135°F (57°C) or
	Drug residues	greater, except for acid-type whey with a titratable acidity 0.40% or above, or a pH of 4.6 or below. No positive results on drug residue detection methods which have been found to be acceptable for use with whey.

PASTEURIZED CONDENSED WHEY AND WHEY PRODUCTS	Temperature Coliform count	Cooled to 50°F (10°C) or less during crystallization, within 72 hours of condensing. Not to exceed 10 per gram.
	Drug residues	No positive results on drug residue detection methods which have been found to be acceptable for use with condensed whey.
DRY WHEY, EXTRA GRADE	Bacterial limit Coliform count	Not to exceed 30,000 per gram. Not to exceed 10 per gram.
	Milkfat content	Not to exceed 1.5%.
	Moisture content	Not to exceed 5.0%.
	Scorched particle content	Not to exceed 15.0%.
DRY WHEY, DRY WHEY PRODUCTS	Bacterial limit	Not to exceed 50,000 per gram.
TRODUCTS	Coliform count	Not to exceed 10 per gram.
	Butterfat	Not more than 1.50%.
	Moisture	Not more than 5%.
	Drug residues	No positive results on drug residue detection methods which have been found to be acceptable for use with dry whey and dry whey products.
DRY BUTTERMILK AND DRY BUTTERMILK PRODUCTS, EXTRA GRADE	Butterfat	4.5% min.
	Moisture	4.0% max.
	Titratable acidity	0.10 - 0.18%.
	Solubility index	1.25 ml spray process; 15.0 roller process.
	Bacterial limit	Not to exceed 20,000 per gram.
	Coliform count	Not to exceed 10 per gram.
	Scorched particles disc B	15.0 mg spray process; 22.5 mg roller process.
	Drug residues	No positive results on drug residue detection methods which have been found to be acceptable for use with dry buttermilk and dry buttermilk products.
DRY BUTTERMILK AND DRY BUTTERMILK PRODUCTS, STANDARD GRADE	Butterfat	4.5% min.
OKADE	Moisture	5.0% max.
	Titratable acidity	0.10 - 0.20%.
	Solubility Index	2.0 ml spray process; 15.0 roller process.
	Bacterial limit	Not to exceed 75,000 per gram.
	Coliform count	Not to exceed 10 per gram.
	Scorched particles disc B	22.5 mg spray process; 32.5 mg roller process.

	Drug residues	No positive results on drug residue detection methods which have been found to be acceptable for use with dry buttermilk and dry buttermilk products.
BUTTER, WHIPPED BUTTER	Percent butterfat Temperature	Not less than 80%. Maintained at a temperature of 45°F (7°C) or less, when in storage.
	Proteolytic count	Not more than 50 per gram.
	Yeast and mold	Not more than 10 per gram.
	Coliform count	Not more than 10 per gram.
	Keeping quality	Satisfactory after 7 days at 70°F (21°C).
PASTEURIZED MILK, CREAM, FLUID DAIRY PRODUCTS FOR FROZEN DESSERTS	Bacterial limit	Not to exceed 20,000 per ml.
	Coliform count	Not to exceed 10 per gram. Provided, that in the case of bulk milk transport tank shipments shall not exceed 100 per ml.
	Storage temp	No higher than 45°F (7°C).
FROZEN DESSERT MIX	Bacterial limit	30,000 per ml.
	Coliform count Storage temp	Not to exceed 10 per gram. Provided, that in the case of bulk milk transport tank shipments shall not exceed 100 per ml. No higher than 45°F (7°C). (Sterile or aseptic mix has no storage temperature requirement.)
FROZEN DESSERTS	Bacterial limit	30,000 per ml.
	Coliform count	Not to exceed 10 per ml (20 per gram for chocolate, fruit, nuts or other bulky flavored frozen desserts).
	Storage temp	No higher than 32°F (0°C).
	Butterfat	Per standards listed in 21 C.F.R. 135.
STERILIZED OR ASEPTIC PRODUCTS	Bacterial limit	Refer to 21 CFR 113.3(e)(1).
	Temperature	None.
	Yeast and mold	No viable yeast or mold spores.
	Drug residues	No positive results on drug residue detection methods which have been found to be acceptable for use with aseptically processed milk and milk products.
PRIVATE WATER SUPPLIES FOR DAIRY FARMS AND DAIRY PLANTS; RECIRCULATED COOLING WATER (SWEET WATER); GLYCOL FOR COOLING	Coliform count	Less than 1.1 per 100 ml as MPN or equivalent method less than 1 per 100 ml.
CONDENSATE RECOVERY WATER (COW WATER)	Total plate count	Not to exceed 500 per ml.
	Chemical oxygen demand	Not to exceed 12 mg per L.
	ırbidity	Not to exceed 5 units.
Rendered Monday, July 7, 2025	Page 5 Mic	chigan Compiled Laws Complete Through PA 5 of 2025

History: 2001, Act 267, Eff. Feb. 8, 2002;—Am. 2008, Act 147, Eff. June 27, 2008.

 $\textbf{Compiler's note:} \ In \ the \ section \ of \ the \ table \ entitled \ "PASTEURIZED \ CONDENSED \ MILK \ AND \ CONDENSED \ SKIM \ MILK", \ the \ first \ instance \ of \ "145°" \ evidently \ should \ read \ "145°F".$