

# Acronyms



AMERICAN  
Dairy Products  
INSTITUTE™

AIT	Auto ignition temperature	GC	Gas chromatography
AMF	Anhydrous milkfat	GMO	Genetically modified organism
BOD	Biological oxygen demand	GMP	glycomacropeptide
BSA	Bovine serum albumin	GMPs	Good Manufacturing Practices
bST	Bovine somatotrophin	GOS	Galacto-oligosaccharides
CFR	Code of Federal Regulations	GRAS	Generally recognized as safe
CMP	Casein macropeptide	HARPC	Hazard Analysis Risk-based Preventative Controls
COA	Certificate of analysis	HPLC	High performance liquid chromatography
COD	Chemical oxygen demand	HTST	High temperature short time
COP	Cleaning out of place	Ig	Immunoglobulin
COW	Condensable out water	IGF	Insulin-like growth factors
db	dry basis	IMS	Interstate Milk Shippers
DBM	Dry buttermilk	INDM	Instant nonfat dry milk
DBP	Dry buttermilk product	ISO	International Organization for Standardization
DF	Diafiltration	kPa	Kilopascals
DIP	Dust-ignition proof	ISO	International Organization for Standardization
DVI	Direct vat inoculation	kPa	Kilopascals
DVS	Direct vat set	K <sub>ST</sub>	Deflagration index, dust constant
DWM	Dry whole milk	LC	Liquid chromatography
E <sub>index</sub>	Explosivity index	LEL	Lower explosive limit
EMC	Enzyme modified cheese	LF	Lactoferrin
ESD	Electrostatic discharge	LFL	Lean flammable limit
ESL	Extended shelflife		Lower flammable limit
FCC	Food Chemical Codex	LIT	Layer ignition temperature
FDB	Fat on a dry basis	LP	Lactoperoxidase
FDM	Fat in the dry matter	LTLT	Low temperature long time
FFA	Free fatty acid		
FSMA	Food Safety Modernization Act		

# Acronyms

MEC	Minimum explosive concentration	rBGH	Recombinant bovine growth hormone
MF	Microfiltration	rh	Relative humidity
MHM	Minimum hazardous mass	RMW	Reduced minerals whey
MIE	Minimum ignition energy	RO	Reverse osmosis
MIT	Minimum ignition temperature	RTE	Ready-to-eat
MOC	Maximum oxygen combustion	SCC	Somatic cell count
MPC	Milk protein concentrate	SIT	Self ignition temperature
MPI	Milk protein isolate	SMP	Skim milk powder
MS	Mass spectrometry	SNF	Solids not fat
MVR	Mechanical vapor recompression	spc	Standard plate count
na	not available	SQF	Safe quality foods
NDM	Nonfat dry milk	SOPs	Standard operating procedures
NF	Nanofiltration	SSOPs	Sanitation standard operating procedures
NF	National Formulary	St	Staub (dust)
NFDM	Nonfat dry milk	TA	Titrateable acidity
NMR	Nuclear magnetic resonance	TVR	Thermal vapor recompression
non-GMO	non genetically modified organism	UEL	Upper explosive limit
NOP	National Organic Program	UF	Ultrafiltration
NPN	Nonprotein nitrogen	UHT	Ultra high temperature
PCHF	Preventative Controls for Human Foods	WPC	Whey protein concentrate
pI	Isoelectric point	WPI	Whey protein isolate
$P_{max}$	Maximum explosion pressure	WPNI	Whey protein nitrogen index
PMO	Pasteurized Milk Ordinance	WPPC	Whey protein phospholipid concentrate
psi	Pounds per square inch	$\Delta H^{\circ}_c$	Heat of combustion
QACs	Quaternary ammonium compounds		

# Acronyms

## Organizations

ADPI	American Dairy Products Institute
ANSI	American National Standards Institute
BCR	British Retail Consortium
CFSAN	Center for Food Safety and Nutrition
CRC	Chicago Rabbinical Council
DMI	Dairy Management, Inc.
FAO	Food and Agriculture Organization of the United Nations
FDA	Food and Drug Administration
IAMFES	International Association of Milk, Food and Environmental Sanitarians
IDF	International Dairy Federation
IDFA	International Dairy Foods Association
IFNCA	Islamic Food and Nutrition Council of America
IMS	Interstate Milk Shippers
ISO	International Organization for Standardization
NFPA	National Fire Protection Association
NMPF	National Milk Producers Federation
OSHA	Occupational Safety and Health Administration
USDA	US Department of Agriculture
USPHS	US Public Health Services
WHO	World Health Organization
WTO	World Trade Organization

## Chemicals

C	Carbon
Ca	Calcium
CaCl	Calcium chloride
Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	Calcium phosphate
Cl	Chloride
CO <sub>3</sub>	Carbonate
Cu	Copper
Fe	Iron
H	Hydrogen
HCl	Hydrochloric acid
K	Potassium
Mg	Magnesium
N	Nitrogen
Na	Sodium
NaOH	Sodium hydroxide
OH	Hydroxide
O	Oxygen
P	Phosphorous
PO <sub>4</sub>	Phosphate
SO <sub>4</sub>	Sulfate
Zn	Zinc

## Symbols

α	Alpha
β	Beta
Δ	Delta (change)
κ	Kappa
μ	Micron
>	Greater than
<	Less than
>	Not greater than
<	Not less than