

Dairy



Food Standards

Reagents and Standards for The Dairy Industry



AOAC Official Method 932.05 Citric Acid in Milk

Chapter	Product No.	Description	Pack Size
33.2.07B.a	1070902	European Pharmacopoeia Reagent Potassium Permanganate Solution	1L
33.2.07B.c	1048103	European Pharmacopoeia Lead Acetate Solution	1L

AOAC Official Method 937.05 Lactic Acid in Milk and Milk Products

Chapter	Product No.	Description	Pack Size
33.2.08A.b	H21001	Analytical Volumetric Solution Hydrochloric Acid 1.0N, 1.0M	1L
33.2.08A.d	1065200	European Pharmacopoeia Reagent phosphotungstic acid Solution	100ml
33.2.08A.e	3007800	European Pharmacopoeia Reagent 0.5M Sulphuric acid	1L

AOAC Official Method 991.20 Nitrogen (Total) in Milk

Chapter	Product No.	Description	Pack Size
33.2.11C.f	1012602	European Pharmacopoeia Reagent Bromocresol Green - Methyl Red Mixed Indicator	100ml
33.2.11C.g	KJR015	Kjeldahl Reagent 4% w/v Boric Acid Solution with indicator	5L

AOAC Official Method 967.12 Protein in Milk

Chapter	Product No.	Description	Pack Size
33.2.15A.b	PB00574	Phosphate Buffer, 0.05M pH 7.4	1L

AOAC Official Method 925.24 Albumin in Milk

Chapter	Product No.	Description	Pack Size
33.2.19A	CH21001	Analytical Volumetric Solution Acetic acid 1.0N, 1.0M	1L
33.2.19A	S21001	Analytical Volumetric Solution Sodium Hydroxide 1.0N, 1.0M	1L

AOAC Official Method 973.35 Lead in Evaporated Milk

Chapter	Product No.	Description	Pack Size
9.2.14C.a	NO21001	Analytical Volumetric Solution Nitric Acid 1.0N, 1.0M	1L
9.2.14C.d	NO21002	Analytical Volumetric Solution Nitric Acid 1.0N, 1.0M	1L
9.2.14C.f	BRCG0105	Bromocresol Green Indicator, 0.1% (w/v) Aqueous Solution	500ml

AOAC Official Method 953.08 Protein-Reducing Substances in Milk

Chapter	Product No.	Description	Pack Size
33.2.20A.f	A05VV1	Acetic Acid Solution 5% v/v	1L

AOAC Official Method 989.05 Fat in Milk

Chapter	Product No.	Description	Pack Size
33.2.26C.f	IPT05H	Indicator Solution Phenolphthalein, 0.5%	500ml

AOAC Official Method 922.08 Hypochlorites and Chloramines in Milk

Chapter	Product No.	Description	Pack Size
33.2.39A.a	1070502	European Pharmacopoeia Reagent Potassium iodide Solution	1L

AOAC Official Method 992.22 Iodine (as Iodide) in Pasteurised Liquid Milk and Skim Milk Powder

Chapter	Product No.	Description	Pack Size
33.2.40C.f	CH3CN501	Acetonitrile, 50% v/v	1L

AOAC Official Method 946.01 Phosphatase (Residual) in Milk

Chapter	Product No.	Description	Pack Size
33.2.47A.a	BAB2041	Barium Borate-Hydroxide Buffer	1L
33.2.47A.a	BOR0091	Borax Buffer, 0.00996M	1L
33.2.47A.e	CUS051	Copper Sulfate , 0.05%	1L

AOAC Official Method 968.13 Phosphatase (Residual) in Milk

Chapter	Product No.	Description	Pack Size
33.2.51A.c	S22501	Analytical Volumetric Solution Sodium Hydroxide 2.5N, 2.5M	1L

AOAC Official Method 982.18 Beta-Lactam Antibiotics in Fluid Milk Products

Chapter	Product No.	Description	Pack Size
33.2.59B.e	4002400	European Pharmacopoeia Phosphate Buffer Solution pH 6.0	1L

AOAC Official Method 995.04 Multiple Tetracycline Residues in Milk

Chapter	Product No.	Description	Pack Size
33.2.62C.f	S10001	Analytical Volumetric Solution Sodium Hydroxide 10N 10M	1L
33.2.62C.h	ET20VV025	20% v/v Ethanol/Water - nominal density 0.9753g/ml	250ml

AOAC Official Method 998.05 Noncasein Nitrogen Content of Milk

Chapter	Product No.	Description	Pack Size
33.2.64C.b	A110VV1	Acetic Acid 10% v/v	1L

AOAC Official Method 998.06 Casein Nitrogen Content of Milk

Chapter	Product No.	Description	Pack Size
33.2.65C.b	A110VV1	Acetic Acid 10% v/v	1L

AOAC Official Method 2006.06 Lactose in Milk

Chapter	Product No.	Description	Pack Size
33.2.67C.c	USP861	Mobile Phase Buffer pH 4.5 - Sodium Acetate Trihydrate	1L

AOAC Official Method 2010.01 Bovine Immunoglobulin G Analysis in Bovine Colostrum and Milk Powders, and Dietary Supplements of Bovine Origin

Chapter	Product No.	Description	Pack Size
33.2.68C.b	S24001	Analytical Volumetric Solution Sodium Hydroxide 4M, 4N	1L
33.2.68C.c	H26001	Analytical Volumetric Solution Hydrochloric Acid 6.0N, 6.0M	1L

AOAC Official Method 995.19 Fat in Cream

Chapter	Product No.	Description	Pack Size
33.3.19C.f	IPT05H	Indicator Solution Phenolphthalein, 0.5%	500ml

AOAC Official Method 984.16 N-Nitrosodimethylamine in Nonfat Dry Milk

Chapter	Product No.	Description	Pack Size
33.5.11B.b	SU20501	Analytical Volumetric Solution Sulphuric Acid 1.0N, 0.5M	1L

AOAC Official Method 969.17 Acid Value of Butterfat

Chapter	Product No.	Description	Pack Size
33.6.08B.a	3005100	European Pharmacopoeia Reagent 0.1M Potassium Hydroxide, alcoholic	1L
33.6.08B.c	IPT1025	Indicator Phenolphthalein 1% Phenolphthalein Solution	250ml

AOAC Official Method 960.30 Fatty Acids (Water-Insoluble) (WIA) and Butyric Acid in Butter

Chapter	Product No.	Description	Pack Size
33.6.14B.f	S20101	Analytical Volumetric Solution Sodium Hydroxide 0.1N, 0.1M	1L

AOAC Official Method 928.05 Tartaric Acid in Cheese

Chapter	Product No.	Description	Pack Size
33.7.20B.c	HCL2VV05	Hydrochloric Acid 2% v/v	500ml

AOAC Official Method 978.14 Phosphatase (Residual) in Cheese

Chapter	Product No.	Description	Pack Size
33.7.28A.a	S22501	Analytical Volumetric Solution Sodium Hydroxide 2.5N, 2.5M	1L

AOAC Official Method 990.24 Phosphorus (Total) in Cheese and Processed Cheese Products

Chapter	Product No.	Description	Pack Size
33.7.29C.c	SU25001	Analytical Volumetric Solution Sulphuric Acid 10.0N, 5.0M	1L

AOAC Official Method 993.22 p-Toluenesulfonamide Residues in Ice Cream

Chapter	Product No.	Description	Pack Size
33.8.13C.b	PBS7B025	Phosphate Buffer Saline pH7.00	250ml

As per Dairy Handbook

14.020 Scharer Rapid Visual ALP Method (Class O)

Chapter	Product No.	Description	Pack Size
14.020.5.12	H20101	Analytical Volumetric Solution Hydrochloric Acid 0.1N, 0.1M	1L

15.022 Acidity, Potentiometric, pH, (Class O)69

Chapter	Product No.	Description	Pack Size
15.022.5.1	1040	pHBuffer Solution pH4.00 ± 0.01 @20°C .	1L
15.022.5.1	1050	pHBuffer Solution pH5.00 ± 0.01 @20°C	1L
15.022.5.1	1070	pHBuffer Solution pH7.00 ± 0.01 @20°C	1L
15.022.5.1	1100	pHBuffer Solution pH10.00 ± 0.01 @20°C	1L

15.024 Acidity, pH, Gold Electrode/Quinhydrone (Class O)71,83

Chapter	Product No.	Description	Pack Size
15.024.5.1	1040	pHBuffer Solution pH4.00 ± 0.01 @20°C .	1L
15.024.5.1	1050	pHBuffer Solution pH5.00 ± 0.01 @20°C	1L
15.024.5.1	1070	pHBuffer Solution pH7.00 ± 0.01 @20°C	1L

15.052 Chloride (Salt) Volhard Method (Class O)11(935.43),83

Chapter	Product No.	Description	Pack Size
15.052.5.1	1037702	European Pharmacopoeia Reagent Ferric ammonium sulphate sol R2	1L
15.052.5.3	PP500F	Potassium Permanganate , 5% w/v	1L

15.086 Mojonier Method, Milk and Cream (Class A1); Other Products (Class O)42,53

Chapter	Product No.	Description	Pack Size
15.086.5.5	IPT05H	Indicator Solution Phenolphthalein, 0.5%	500ml

15.092 Lactose/ Galactose Enzymatic Method, Milk (Class A1), Other Dairy Products (Class B)10(984.15),49

Chapter	Product No.	Description	Pack Size
15.092.5.3	S20101	Analytical Volumetric Solution Sodium Hydroxide 0.1N, 0.1M	1L

15.123 Modified Kohman Method, Fat, Moisture, Chloride (Salt), in Butter and Margarine (Class O and Class B)4,11(938.06,920.17),54,69,95

Chapter	Product No.	Description	Pack Size
15.123.5.3	N20100F	Analytical Volumetric Solution Silver Nitrate 0.1N, 0.1M	1L

15.131 Protein, Kjeldahl Standard, Traditional Milk (Class A1) Other Products (Class O)11(991.20),38

Chapter	Product No.	Description	Pack Size
15.131.5.7	H20101	Analytical Volumetric Solution Hydrochloric Acid 0.1N, 0.1M	1L

15.132 Protein, Kjeldahl, Block Digester Method Milk (Class A1), Other Products (Class O)

Chapter	Product No.	Description	Pack Size
15.132.5.7	H20101	Analytical Volumetric Solution Hydrochloric Acid 0.1N, 0.1M	1L

15.136 Casein Nitrogen/Protein, Indirect, Kjeldahl (Class A1)11(998.05-.07)15,38,40,77

Chapter	Product No.	Description	Pack Size
15.136.5.1	A110VV1	Acetic Acid 10% v/v	1L

15.142 Peroxide Value (Class O)7,11

Chapter	Product No.	Description	Pack Size
15.142.5.2	ST1001	Starch Solution 1%	1L
15.142.5.3	T20101	Analytical Volumetric Solution Sodium Thiosulphate 0.1N, 0.1M	1L
15.142.5.3	T20011	Analytical Volumetric Solution Sodium Thiosulphate 0.01N, 0.01M	1L

15.151 Chlorine, Available (Class O)11(922.08)

Chapter	Product No.	Description	Pack Size
15.151.5.2	KI10WV1	Potassium Iodide, KI, 10% w/v	1L
15.151.5.3	T20011	Analytical Volumetric Solution Sodium Thiosulphate 0.01N, 0.01M	1L
15.151.5.3	T20101	Analytical Volumetric Solution Sodium Thiosulphate 0.1N, 0.1M	1L
15.151.5.4	ST0505	Starch Indicator 0.5% (w/v)	500ml

15.160 Vitamins A, D2, and D3 in Milk Products, HPLC Method (Class O)1,12,21,39,76,79,88,89,91-93

Chapter	Product No.	Description	Pack Size
15.160.5.7	IPT10F	Indicator Phenolphthalein 1% Phenolphthalein Solution	1L

Reagecon's Dairy Standards and Reagents

Product No.	Description	Pack Size
SUFMT5	Gerber Test Sulphuric Acid FMT d. 1.815-1.825	5L
SUFMT25	Gerber Test Sulphuric Acid FMT d. 1.815-1.825	25L
SUFMTJ	Gerber Test Sulphuric Acid FMT d. 1.815-1.825	2.5L
BOA25	Kjeldahl Reagent 2% w/v Boric Acid solution without indicator	5L
S30WW5	Kjeldahl Reagent 30% w/w (40% w/v) Sodium Hydroxide	5L
S30WWLN	Kjeldahl Reagent 30% w/w (40% w/v) Sodium Hydroxide	5L
KJR015	Kjeldahl Reagent 4% w/v Boric Acid solution with indicator	5L
BOA4	Kjeldahl Reagent 4% w/v Boric Acid solution without indicator	5L
ST840	Kjeldahl Reagent 40% w/v Sodium Hydroxide/8% Sodium Thiosulphate	25L
ST841	Kjeldahl Reagent 40% w/v Sodium Hydroxide/8% Sodium Thiosulphate	5L
WTR045	Kjeldahl Reagent Barium Chloride solution 10% w/v	5L
BOAI225	Kjeldahl Reagent Boric Acid 2% with indicator - 25L	25L
BOA3310	Kjeldahl Reagent Boric Acid 3.3% solution	10L
PFS1	Ferrouin Indicator solution	100ml
FEA25	Iron Alum (Volhard) Indicator solution	250ml
MTR05025	Methyl Orange Indicator Alcoholic solution 0.1%	250ml
IPT01H	Phenolphthalein Indicator Solution 0.1%	500ml
IPT05F	Phenolphthalein Indicator Solution 0.5%	1L
IPT05W	Phenolphthalein Indicator Solution 0.5%	2.5L
IPT10H	Phenolphthalein Indicator Solution 1%	500ml
IPT10W	Phenolphthalein Indicator Solution 1%	2.5L
IPT1025	Phenolphthalein Indicator Solution 1%	250ml
IPT16W	Phenolphthalein Indicator Solution 1.6%	2.5L
PCS5	Potassium chromate, 5% Indicator solution	500ml
TB04F	Thymol Blue Indicator Alcoholic Solution 0.04%	500ml
NPD03	Phosphatase Test 4-Nitrophenyl Di-Sodium Phosphate	12 x 0.15g
NPD04	Phosphatase Test Carbonate Bi-Carbonate Buffer	12 x 2.5g
CH3CN501	Acetonitrile CH ₃ CN, 50% v/v	1L
BAB2041	Barium Borate-Hydroxide Buffer	1L
BAOH011	Barium Hydroxide Ba(OH) ₂ , 0.1N	1L
BOR0091	Borax Buffer, 0.00996M	1L
BUT7051	n-Butanol CH ₃ (CH ₂) ₂ CH ₂ OH, 7.5% v/v	1L
CUS051	Copper Sulfate CuSO ₄ , 0.05%	1L
CUS11	Copper Sulfate CuSO ₄ , 1%	1L
CUSSOLA	Copper Sulfate Solution B 72.5g/L	1L
CUSSOLB	Copper Sulfate Solution A 440.9mg Cu/25ml	1L
FESO41	Ferrous Sulfate Solution FeSO ₄	1L
PBA101	Lead Acetate Solution (CH ₃ COO) ₂ Pb, 10%	1L
PB00574	Phosphate Buffer, 0.05M pH 7.4	1L
EFKNO	Potassium Nitrate KNO ₃ , 10% w/v	100ml
PP500F	Potassium Permanganate KMnO ₄ , 5% w/v	1L
S2WW1	Sodium Hydroxide, NaOH, 2% w/v	1L
ZS601	Zinc Sulfate, ZnSO ₄ , 6% w/v	1L

Reagecon's Conductivity Standards

Product No.	Description	Pack Size
CSKC13	1.30µS/cm @ 25°C	250ml
CSKC136	1.30µS/cm @ 25°C	6x250ml
CSKC3	3µS/cm @ 25°C	250ml
CSKC5	5µS/cm @ 25°C	500ml
CSKC10	10µS/cm @ 25°C	500ml
CSKC20	20µS/cm @ 25°C	500ml
CSKC238	23.8µS/cm @ 25°C	500ml
CSKC25	25µS/cm @ 25°C	500ml
CSKC50	50µS/cm @ 25°C	500ml
CSKC84	84µS/cm @ 25°C	500ml
CSKC100	100µS/cm @ 25°C	500ml
CSKCS	147µS/cm @ 25°C	500ml
CSKC150	150µS/cm @ 25°C	500ml
CSKC185	185µS/cm @ 25°C	500ml
CSKC200	200µS/cm @ 25°C	500ml
CSKC250	250µS/cm @ 25°C	500ml
CSKC300	300µS/cm @ 25°C	500ml
CSKC400	400µS/cm @ 25°C	500ml
CSKC500	500µS/cm @ 25°C	500ml
CSKC718	718µS/cm @ 25°C	500ml
CSKC1000	1000µS/cm @ 25°C	500ml
CSKCL	1413µS/cm @ 25°C	500ml
CSKC2M	2000µS/cm @ 25°C	500ml
CSKC2500	2500µS/cm @ 25°C	500ml
CSKC3M	3000µS/cm @ 25°C	500ml
CSKC5M	5,000µS/cm @ 25°C	500ml
CSKC7M	7,000µS/cm @ 25°C	500ml
CSKC10M	10,000µS/cm @ 25°C	500ml
CSKC12880	12,880µS/cm @ 25°C	500ml
CSKC20M	20,000µS/cm @ 25°C	500ml
CSKC30M	30,000µS/cm @ 25°C	500ml
CSKC40M	40,000µS/cm @ 25°C	500ml
CSKC50M	50,000µS/cm @ 25°C	500ml
CSKC60M	60,000µS/cm @ 25°C	500ml
CSKC80M	80,000µS/cm @ 25°C	500ml
CSKC100M	100,000µS/cm @ 25°C	500ml
CSKC111800	111,800µS/cm @ 25°C	500ml
CSKC150M	150,000µS/cm @ 25°C	500ml
CSKC200M	200,000µS/cm @ 25°C	500ml
CSKC300M	300,000µS/cm @ 25°C	500ml
CSKC350M	350,000µS/cm @ 25°C	500ml
CSKC400M	400,000µS/cm @ 25°C	500ml
CSKC450M	450,000µS/cm @ 25°C	500ml
CSKC500M	500,000µS/cm @ 25°C	500ml

Reagecon's Cryoscope Standards

Product No.	Description	Pack Size
MTR03525	Cryoscope Standard -0.577°C (577m°H)	250ml
MTR01025	Cryoscope Standard 0.000°C	250ml
MTR02025	Cryoscope Standard -0.408°C (422m°H)	250ml
MTR03025	Cryoscope Standard -0.512°C (530m°H)	250ml
MTR04025	Cryoscope Standard -0.600°C (621m°H)	250ml
CRYBL	Cryoscope Bath Liquid	500ml
HTF250	Heat Transfer Fluid	250ml