MILK AND MILK PRODUCTS PACKAGES

CHEMISTRY

Package 1M-chem - Raw, Pasteurised and UHT milk (instant analysis)

	Parameters	Technique
1	Milk density	Lactoscan/lactometer
2	Milk fat	Lactoscan
3	Total solids	Lactoscan
4	Solid non fat	Lactoscan
5	Freezing point	Lactoscan
6	Protein	Lactoscan
7	Titratable acidity	Titrimetry

Package 2M-chem - Raw, Pasteurised and UHT milk

	Parameters	Technique
1	Milk fat	Gerber
2	Total solids	Gravimetric
3	Solid (fat content + total solid)	Gravimetric
4	Protein	Titrimetry

Package 3M-chem - UHT milk requiring incubation at 37°C for 5 days

	Parameters	Technique
1	Titratable acidity (Variation)	Titrimetry
2	pH (Variation)	Potentiometry

Package 4M-chem - Milk powder

	Parameters	Technique
1	Moisture content	Gravimetric
2	Milk fat	Gerber
3	Titratable acidity	Titrimetry
4	Protein	Titrimetry
5	Total ash	Gravimetric
6	Solubility index	Gravimetric

Package 5M-chem - Yoghurt

	Parameters	Technique
1	Total solids	Gravimetry
2	Milk fat	Gerbber
3	Solids Non Fat (Fat content+Total solid)	Gravimetry
4	pH	Potentiometry
5	Titratable acidity	Titrimetry
6	Crude fiber	Gravimetry
7	Total ash	Gravimetry
8	Protein	Titrimetry

Package 6M-chem - Butter, Cheese, Ice cream

	Parameters	Technique

	Parameters	Technique
1	Moisture content (Total solids)	Gravimetry
2	Fat content	Gravimetry
3	Curd/SNF (Fat content+Total solid)	Gravimetry
4	Salt content	Titrimetry
5	Protein	Titrimetry

Package 7M-chem - Raw, Pasteurised and UHT milk
Results out in working 7 days

	Parameters	Technique
1	Organochlorine Pesticides (OPP)	GC-MS-MS
2	Organophosphorous Pesticides (OPP)	GC-MS-MS
3	OCP and OPP requested at the same time	GC-MS-MS
4	Pyrethroids	GC-MS-MS

MICROBIOLOGY

Package 1M-mic - Raw, Pasteurised and UHT milk
Results out in 2-4 working days

	Parameters	Reference Method
1	Total plate count, cfu/ml	ISO 4833
2	Total Coliform, cfu/ ml	ISO 4832
3	E. Coli, CFU/ml	ISO 11866
4	Salmonella spp, 25 ml	ISO 6579
5	Yeasts and Moulds, CFU/ ml	ISO 6611
6	Staphylococcus aureus, per ml	ISO 6888
7	L. monocytogenes, CFU /g	ISO 11290 - Pasteurised milk only

Package 2M-mic - Yoghurt
Results out in 2-4 working days

	Parameters	Reference Method
1	E. Coli, CFU/g	ISO 11866
2	Salmonella spp, 25 g	ISO 6579
3	Yeasts and Moulds, CFU/ g	ISO 6611
4	Staphylococcus aureus, per g	ISO 6888

Package 3M-mic - Ice Cream
Results out in 2-4 working days

	Parameters	Reference Method
1	Total plate count, cfu/g	ISO 4833
2	Total Coliform, cfu/ g	ISO 4832
3	E. Coli, CFU/g	ISO 11866
4	Salmonella spp, 25 g	ISO 6579
5	Yeasts and Moulds, CFU/ g	ISO 6611
6	Staphylococcus aureus, per g	ISO 6888
7	L. monocytogenes, CFU /g	ISO 11290
8	Bacillus cereus CFU/g	ISO 7932

Package 4M-mic - Milk powder
Results out in 2-4 days

	Parameters	Reference Method
1	Total plate count, cfu/g	ISO 4833
2	Total Coliform, cfu/ g	ISO 4832
3	E. Coli, CFU/g	ISO 11866
4	Salmonella spp, 25 g	ISO 6579
5	Yeasts and Moulds, CFU/ g	ISO 6611
6	Staphylococcus aureus, per g	ISO 6888

Package 5M-mic - Butter and Ghee
Results out in 2-4 working days

	Parameters	Reference Method
1	Total plate count, CFU/g	ISO 4833
2	E. Coli, CFU/g	ISO 11866
3	Salmonella spp, 25 g	ISO 6579
4	Yeasts and Moulds, CFU/ g	ISO 6611
5	Staphylococcus aureus, per g	ISO 6888