|  |  |  |  |
| --- | --- | --- | --- |
| **Name of KTP:** | :  | **Date of Review / Update:** | :  |

**Potable/Suitable Water Microbiology**

[ ]  1.1.1 Total coliforms / *E coli*

[ ]  1.2 Faecal coliforms

[ ]  1.3 Colony count 22ºC

[ ]  1.6.1 *Clostridium perfringens*

**Animal Products Microbiology**

[ ]  2.1.1 Aerobic plate count (APC)

[ ]  2.1.2 APC spread plate

[ ]  2.1.3 APC Petrifilm

[ ]  2.1.4 APC spiral plate

[ ]  2.1.5 APC (tripe)

[ ]  2.2.1 *Escherichia coli* (direct/Petrifilm)

[ ]  2.2.2 *Escherichia coli* (Petrifilm)

[ ]  2.3 *Staphylococcus aureus*

[ ]  2.4.1 Salmonella

[ ]  2.4.2 Salmonella

[ ]  2.4.3 Salmonella

[ ]  2.6 *Listeria monocytogenes*

[ ]  2.8 *Clostridium perfringens*

[ ]  2.8.1 *Clostridium perfringens*

[ ]  2.9 Enterobacteriaceae

[ ]  2.9.1 *Cronobacter* species (incl. *C.* *sakazakii*)

[ ]  2.10 Faecal coliforms

[ ]  2.10.1 Total Coliforms

[ ]  2.11 *Bacillus anthracis*

[ ]  2.12 *Trichinella* species

[ ]  2.13 Bovine Viral Diarrhoea

[ ]  2.13.1 Bovine Viral Diarrhoea (blood)

[ ]  2.14 American Foul Brood

[ ]  2.15 Asepsis

[ ]  2.16 Mycoplasma

[ ]  2.17 Pathogen inducing cytopathy

[ ]  2.18 Pathogen inducing haemadsorption

[ ]  2.19 Infectious bovine rhinotracheitis

[ ]  2.20 Low pathogenic Avian Influenza

[ ]  22.1 Campylobacter

[ ]  23.1 *Escherichia coli* 0157:H7

[ ]  23.1.1 *E. coli* O157:H7 IMS culture isolation

[ ]  23.3 Top 7 *E. coli*

[ ]  23.4 Top 7 *E. coli* molecularconfirmation

[ ]  23.5 Culture Confirmation Top 7 STEC incl. *E. coli* O157:H7

**Fish Chemistry**

**☐** 3.1.1 Proximate analysis – Ash

**☐** 3.1.2 Proximate analysis – Fat

[ ]  3.1.3 Proximate analysis - Moisture

[ ]  3.1.4 Proximate analysis – Protein

**Tallow, Fats and Oils**

[ ]  4.01 Insoluble impurities

[ ]  4.02 Free fatty acids (m/m% oleic acid)

[ ]  4.03 Peroxide

[ ]  4.04 Moisture

**Potable/Suitable Water – Physico-Chemical**

[ ]  5.01 Colour

[ ]  5.02 Conductivity

[ ]  5.03 pH

[ ]  5.04 Turbidity

[ ]  5.10 Ammoniacal nitrogen

[ ]  5.11 Chloride

[ ]  5.12 Fluoride

[ ]  5.13 Nitrate

[ ]  5.14 Nitrite

[ ]  5.16 Sulphate

[ ]  5.17 Aluminium

[ ]  5.18 Arsenic

[ ]  5.19 Boron

[ ]  5.20 Cadmium

[ ]  5.22 Chromium

[ ]  5.23 Copper

[ ]  5.24 Cyanide

[ ]  5.25 Iron

[ ]  5.26 Lead

[ ]  5.28 Manganese

[ ]  5.29 Mercury

[ ]  5.31 Sodium

[ ]  5.32 Selenium

[ ]  5.35 Polynuclear aromatic hydrocarbons

[ ]  5.36.1 Acid herbicides

[ ]  5.36.2 Chlortoluron, Diuron, Thiabendazole

[ ]  5.36.3 Semi Volatile Compounds (SVOC)

[ ]  5.36.4 1080

[ ]  5.39 Volatile Organic Compounds (VOC)

[ ]  5.40 Trihalomethanes

[ ]  5.41 Oxidisability

[ ]  5.42 Total Organic Carbon

[ ]  5.43 Acrylamide

[ ]  5.44 Antimony

[ ]  5.45 Bromate

[ ]  5.46 Nickel

**Animal Products Composition**

[ ]  6.01 Vitamin A

[ ]  6.02 Vitamin B1

[ ]  6.03 Vitamin B2

[ ]  6.04 Vitamin B3

[ ]  6.05 Vitamin B5

[ ]  6.06 Vitamin B6

[ ]  6.07 Folic acid or folate

[ ]  6.08 Biotin

[ ]  6.09 Vitamin B12

[ ]  6.10 Vitamin C

[ ]  6.11 Vitamin D3

[ ]  6.12 Vitamin E

[ ]  6.13 Vitamin K2

[ ]  6.14 Calcium

[ ]  6.15 Chloride or chlorine

[ ]  6.16 Copper

[ ]  6.17 Fluoride or fluorine

[ ]  6.18 Iodide or iodine

[ ]  6.19 Iron

[ ]  6.20 Magnesium

[ ]  6.21 Manganese

[ ]  6.22 Phosphorus

[ ]  6.23 Potassium

[ ]  6.24 Sodium

[ ]  6.25 Zinc

[ ]  6.26 Choline

[ ]  6.27 Taurine

[ ]  6.28 Cholesterol

[ ]  6.29 Dietary fibre (total, insoluble)

[ ]  6.30 Fatty acid profile

[ ]  6.31 pH

[ ]  6.32 Sulphated ash

[ ]  6.33 Total sugar

[ ]  6.34 Water activity

**Animal Products Additives / Ingredients**

[ ]  7.01 Benzoates/benzoic acid

[ ]  7.02 Sorbates/sorbic acid

[ ]  7.03 Nitrate

[ ]  7.04 Nitrite

[ ]  7.05 Salt NaCl

[ ]  7.06 Sucrose

[ ]  7.07 Reducing sugars

[ ]  7.08 Invert sugar

[ ]  7.09 Sugar profile

[ ]  7.10 Sulphur dioxide/sulphites

**Animal Products Chemical Residues**

[ ]  8.1 Stilbenes + steroids & resorcyclic acid lactones

[ ]  8.4 Aminoglycosides

[ ]  8.5 Beta-lactams

[ ]  8.6 Cephalosporins

[ ]  8.7 Tetracyclines

[ ]  8.8 Amphenicols

[ ]  8.9 Macrolides

[ ]  8.9.1 Virginiamicin

[ ]  8.10 Sulphonamides

[ ]  8.11 Nitroimidazoles

[ ]  8.12 Carbadox

[ ]  8.13 Benzamidazoles

[ ]  8.13.1 Montepantel

[ ]  8.14 Imidazothiazoles

[ ]  8.15 Polyether coccidiostats

[ ]  8.15.1 Toltrazuril

[ ]  8.16 Milbemycin group

[ ]  8.17 Synthetic pyrethroids & carbamates

[ ]  8.18 Organophosphates

[ ]  8.19 Beta-agonists

[ ]  8.20 Heavy metals & chemical elements

[ ]  8.21 Organochlorines

[ ]  8.22 Species identity and verification

[ ]  8.23 Fluoroacetate/1080

[ ]  8.25 Nitrofurans

[ ]  8.26 Anticoagulants

[ ]  8.27 Dioxins, coplanar PCBs & PBrDPE & PAHs

[ ]  8.28 Quinolone antibiotics

[ ]  8.29 Non-steroidal anti-inflammatory substances

[ ]  8.30 Amprolium

[ ]  8.31 Hormonal growth promotants

[ ]  8.32 Thyrostatic agents

[ ]  8.33 Progestagenic substances

[ ]  8.34 Corticosteroids

[ ]  8.35 Halofuginone

[ ]  8.36 Robenidene

[ ]  8.37 Malachite green/triphenyl methane dyes

[ ]  8.38 Chlorpromazine

[ ]  8.39 Nicarbazin

[ ]  8.40 Paradichlorobenzene

[ ]  8.41 Salicylanilides

[ ]  8.42 Tutin

[ ]  8.43 Melamine, DCD, cryomazine, dicyclanil & cyanuric acid

[ ]  8.44 Lignocaine and Xylazine

[ ]  8.45 Isoeugenol

[ ]  8.46 Fungicides

[ ]  8.47 Herbicides

[ ]  8.47.1 Glyphosate (incl AMPA)

[ ]  8.48 Mycotoxins (fungal toxins)

[ ]  8.49 Neonicotinoids

[ ]  8.50 Pyrrolidiazine alkaloids

[ ]  8.51 Fumagillin

[ ]  8.52 Amitraz

[ ]  8.53 Phthalates

[ ]  8.54 Cleansing agents; phenols & cresols including chlorinated forms

[ ]  8.55 Nitrate and nitrite

[ ]  8.57 Aldehydes

[ ]  8.58 Daspone

[ ]  8.59 Buparvaquone

[ ]  8.60 Quarternary ammonium compounds

[ ]  8.61 Chlorhexidine

[ ]  8.62 Macrocyclic lactones

[ ]  8.63 Thiocyanates

[ ]  8.64 Bisphenol A

[ ]  8.65 Inhibitory substances

[ ]  8.66 Chlorate & perchlorate

[ ]  8.67 Nonylphenyl ethoxylates (NPEs)

[ ]  8.68 3-monochloropropanediol (3-MCPD)

[ ]  8.69 Insecticides

**Gelatine**

[ ]  9.08 Arsenic

[ ]  9.09 Lead

[ ]  9.10 Mercury

[ ]  9.11 Chromium

[ ]  9.12 Copper

[ ]  9.13 Zinc

[ ]  9.16 Sulphur dioxide

[ ]  9.17 Hydrogen peroxide

[ ]  9.18 Cadmium

**Honey**

[ ]  10.02 Moisture

[ ]  10.03 Reducing Sugars

[ ]  10.04 *Leptospermum scoparium* DNA

[ ]  10.05 2-MAP, 2-MBA, 3-PA, 4-HPA

**Seafood Products and Water**

[ ]  11.1.1 Faecal coliforms

[ ]  11.1.2 Total coliforms / *E. coli*

[ ]  11.2.1 Faecal coliforms

[ ]  11.2.3 Total coliforms / *E. coli*

[ ]  11.2.4 Chemical physical parameters

[ ]  11.3.1 Faecal coliforms

[ ]  11.3.3 Total coliforms / *E. coli*

[ ]  11.4.1 Total coliforms / *E. coli*

[ ]  11.5.3 Total Plate Count (TPC or APC)

[ ]  11.5.4 *Staphylococcus aureus*

[ ]  11.5.6 *Vibrio parahaemolyticus*

[ ]  11.5.7 Heavy metals

[ ]  11.5.8 Histamine

[ ]  11.5.9 Total Volatile Basic Nitrogen

[ ]  11.5.10 *Escherichia coli*

[ ]  11.5.11 Salmonella

[ ]  11.5.12 *Vibrio cholerae*

[ ]  11.6.1 Faecal coliforms

[ ]  11.6.2 *Escherichia coli*

[ ]  11.6.3 Salmonella

[ ]  11.6.4 *Vibrio parahaemolyticus*

[ ]  11.6.6 Heavy metals

[ ]  11.6.7 APC, TPC

[ ]  11.6.8 *Staphylococcus aureus*

[ ]  11.6.9 *Vibrio cholerae*

[ ]  11.6.10 Norovirus

[ ]  11.7.1 PSP

[ ]  11.7.2 DSP

[ ]  11.7.3 NSP

[ ]  11.7.4 ASP

[ ]  11.7.5 PTX

[ ]  11.7.6 YTX

[ ]  11.7.7 AZP

[ ]  11.7.8 Phytoplankton

[ ]  11.8.1 *Escherichia coli*

[ ]  11.8.2 Salmonella

[ ]  11.8.5 *Listeria monocytogenes*

[ ]  11.8.6 APC

**Dairy Products Microbiology**

[ ]  30.1 Somatic cells

[ ]  30.5 APC

[ ]  30.6 Coliforms (Total)

[ ]  30.7 Thermodurics

[ ]  31.1 APC, SPC, TCC

[ ]  31.2 *Bacillus cereus*

[ ]  31.2.1 *Bacillus cereus* enterotoxin

[ ]  31.3 Campylobacter

[ ]  31.4 *Clostridium botulinum*

[ ]  31.5 *Clostridium perfringens*

[ ]  31.6 Coliforms (count)

[ ]  31.7 *Escherichia coli*

[ ]  31.8 Enterobacteriaceae

[ ]  31.9 Faecal coliforms

[ ]  31.10 *Listeria monocytogenes*

[ ]  31.11 Lipolytic organisms

[ ]  31.12 Salmonella

[ ]  31.13 Staphylococcal enterotoxin

[ ]  31.14 *Staphylococcus aureus* (Staphylococcus, Coagulase Positive)

[ ]  31.15 Sulphite reducing clostridia (SRC)

[ ]  31.16 Yeasts and moulds

[ ]  31.17 Cronobacterspecies (including *C. sakazakii*)

**Dairy Products Composition**

[ ]  32.1 Fat

[ ]  32.2 Fatty acids

[ ]  32.3 Moisture

[ ]  32.4 Protein

[ ]  32.5 Solids Non-Fat

[ ]  32.6 Salt

[ ]  32.7 Vitamin A

[ ]  32.8 Vitamin D2 & D3

[ ]  32.9 Minerals: Sodium, Potassium, Chloride

[ ]  32.10 Sugar

[ ]  32.11 Biotin

[ ]  32.12 Calcium

[ ]  32.13 Chloride

[ ]  32.14 Folic acid

[ ]  32.15 Ganglioside

[ ]  32.16 Inositol

[ ]  32.17 Inulin

[ ]  32.18 Iodine value

[ ]  32.20 Lutein

[ ]  32.21 Nucleotides

[ ]  32.23 Taurine

[ ]  32.25 Vitamin B1

[ ]  32.26 Vitamin B2

[ ]  32.27 Vitamin B3

[ ]  32.28 Vitamin B5

[ ]  32.29 Vitamin B6

[ ]  32.30 Vitamin B12

[ ]  32.31 Vitamin C

[ ]  32.32 Vitamin K1

[ ]  32.33 Immunoglobulins

[ ]  32.34 Lactose

[ ]  32.35 Sterols

[ ]  32.36 Total Solids

**Dairy Products Chemical & Physical**

[ ]  30.2 Inhibitory substances

[ ]  30.3 Freezing point

[ ]  30.4 Urea

[ ]  30.8 Foreign matter

[ ]  30.9 Titratable acidity

[ ]  33.1 Foreign Matter

[ ]  33.2 Sediment

[ ]  33.3 Freezing point

[ ]  33.4 Phosphatase

[ ]  33.5 Reichart-Meissl Value

[ ]  33.6 Polenske Value

[ ]  33.7 pH

[ ]  33.8 Titratable Acidity

[ ]  33.9 Solubility (insolubility index)

[ ]  33.10 Aflatoxin

[ ]  33.11 Peroxide value

[ ]  33.12 Radionuclides

[ ]  33.13 Ash

[ ]  33.14 Hydrogen peroxide

[ ]  33.15 Scorched particles