



**PUBLIC HEALTH LABORATORY OF JOHOR BAHRU
MINISTRY OF HEALTH**

Doc No: A03-001(vii)
Issue No: 1
Issue Date: 15th January 2009
Effective Date : 1st August 2009
Issue By: Quality Manager
Rev. No: 01
Page No: 1 of 6

APPENDIX 6
(SOP Handling of Test Items)
List of Parameters Offered

| No. | Unit | Parameter | Method Name | Method ID | Officer | Ext. No. |
|---------------|--|---|---|-----------|---------------------------|----------|
| 1 | Food Microbiology | Standard Plate Count / TVC | AS 1766.2.1 – 1991 Examination for Specific Organisms – Standard Plate Count | K05-001 | 1) Cik Nur Anis Mohd Sani | 2005 |
| | | Coliforms and <i>Escherichia coli</i> | AS 1766.2.3 – 1992 Examination for Specific Organisms – Coliforms and <i>Escherichia coli</i> | K05-003 | | |
| | | Coliforms and <i>Escherichia coli</i> (Water Samples) | AS 1766.2.3 – 1992 Examination for Specific Organisms – Coliforms and <i>Escherichia coli</i> | K05-018 | | |
| | | Salmonella spp. | AS 1766.2.5 – 1991 Examination for Specific Organisms – Salmonellae | K05-005 | | |
| | | <i>Bacillus cereus</i> | AS 1766.2.6 – 1991 Examination for Specific Organisms – <i>Bacillus cereus</i> | K05-006 | | |
| | | Coagulase –positive staphylococci | AS 1766.2.4 – 1991 Examination for Specific Organisms – Coagulase –positive staphylococci | K05-004 | | |
| | | Colony Count of Yeast & Mould | AS 1766.2.2 – 1997 | - | | |
| | | <i>Vibrio parahaemolyticus</i> | AS 1766.2.9 – 1997 | K05-011 | | |
| | | <i>Vibrio cholera</i> | JICA Method Detection of <i>Vibrio cholerae</i> 01 and 0139 in Processed Food | K05-012 | | |
| | | <i>Escherichia coli</i> 0157 | JICA Method Detection of <i>E.coli</i> 0157 in Food | K05-013 | | |
| | | <i>Listeria monocytogenes</i> | Part 4, Section 14, FQC Detection of <i>Listeria monocytogenes</i> | K05-017 | | |
| | | Aerobic Count Plates | AOAC Official Method 990.12 3M™ Petrifilm™ Aerobic Count Plates | K05-009 | | |
| | | <i>E.coli</i> / Coliform Count Plates | AOAC Official Method 991.14 3M™ Petrifilm™ <i>E.coli</i> /Coliform Count Plates | K05-007 | | |
| | | <i>Staph.</i> Express Count Plates | AOAC Official Method 2003.07 3M™ Petrifilm™ <i>Staph.</i> Express Count Plates | K05-020 | | |
| Yeast & Mould | AOAC Official Method 997.02 3M™ Petrifilm™ Yeast & Mould | K05-010 | | | | |



**PUBLIC HEALTH LABORATORY OF JOHOR BAHRU
MINISTRY OF HEALTH**

Doc No: A03-001(vii)
Issue No: 1
Issue Date: 15th January 2009
Effective Date : 1st August 2009
Issue By: Quality Manager
Rev. No: 01
Page No: 2 of 6

APPENDIX 6
(SOP Handling of Test Items)
List of Parameters Offered

| No. | Unit | Parameter | Method Name | Method ID | Officer | Ext. No. |
|-----|-----------------------------|--|--|-----------|---|--------------------------|
| | | Bacillus Diarrhoeal Enterotoxin | Test Kit (TECRA) | - | | |
| | | Staphylococcal Enterotoxin | Test Kit (TECRA) | - | | |
| | | Shigella | Part 4, Section 8A, FQC Detection of Shigella | - | | |
| | | <i>Enterobacter sakazakii</i> | ISO/TS 22964: 2006 Milk & Milk Product – Detection of <i>Enterobacter sakazakii</i> | - | | |
| | | <i>Bacillus cereus</i> | ISO 7932, 3 rd Edition 2004-06-15: Enumeration of Presumptive <i>Bacillus Cereus</i> | - | | |
| | | <i>Listeria monocytogenes</i> | ISO 11290: 1996 / Amd. 1 : 2004 Microbiology of Food and Animal Feeding Stuffs - Horizontal Method for the detection and Enumeration of Listeria Monocytogenes Part 1 : Detection Method | - | | |
| 2 | Pesticide Residue | Organophosphorus (23 analytes) | Multiple Simultaneous Method for Pesticide Residues In Fruits and Vegetables | F04-001 | 1) Pn Nurhana Mohamad 2) Puan Eilda Komardin | Ext 3024 Ext 3024 |
| | | Organochlorine (15 analytes) and Synthetic Pyrethroid (4 analytes) | Multiple Simultaneous Method for Pesticide Residues In Fruits and Vegetables (Frozen Method) | F04-002 | | |
| | | | Multiple Simultaneous Method for Pesticide Residues In Cereal, Bean and Seeds. | F04-003 | | |
| | | Organochlorine (7 analytes) | Organochlorine (OC) Pesticides in Muscle Tissue | F04-017 | | |
| 3 | Mycotoxin and Natural Toxin | Total Aflatoxin | Quantitative Analysis For Cereal And Feed By Using Ridascreen®Fast Aflatoxins | L04-007 | 1) Cik Norfazila Hamsah | Ext 3020 |
| | | Aflatoxin B1, B2, G1, G2 | Determination of Aflatoxin B1, B2, G1 and G2 in Peanuts By Using Immunoaffinity Column Clean Up and HPLC Method | L04-012 | | |
| | | Aflatoxin B1, B2, G1, G2 | Determination of Aflatoxin B1, B2, G1 and G2 in Peanuts and Nuts, Cereal and Fish By Using Immunoaffinity Column Clean Up and HPLC with PHRED Method | L04-014 | | |



**PUBLIC HEALTH LABORATORY OF JOHOR BAHRU
MINISTRY OF HEALTH**

Doc No: A03-001(vii)
Issue No: 1
Issue Date: 15th January 2009
Effective Date : 1st August 2009
Issue By: Quality Manager
Rev. No: 01
Page No: 3 of 6

APPENDIX 6
(SOP Handling of Test Items)
List of Parameters Offered

| No. | Unit | Parameter | Method Name | Method ID | Officer | Ext. No. |
|-----|---------------|---|---|-----------|--|----------|
| | | Biogenic Amines i. Histamine ii. Tyramine iii. Cadarverine | Determination of Biogenic Amines in Fish & Fish Products Using High Performance Liquid Chromatography | N04-011 | | |
| | | Ochratoxin A | Determination of Ochratoxin A in Rice and Wheat by Using Immunoaffinity Column Clean Up Method | L04-005 | | |
| 4 | Food Additive | Boric Acid | Qualitative Test of Boric Acid and Borates In Food | E04-001 | 1) Pn Zarina Ahmad 2) En Wan Sulaiman Wan Ibrahim | Ext 3011 |
| | | Benzoic Acid and Sorbic Acid | The Determination Of Benzoic Acid and Sorbic Acid in Food Using Liquid Chromatography | E04-002 | | Ext 3024 |
| | | Formaldehyde | Determination of Formaldehyde in Fish and Fish Product and Pasta Using Nash's Reagent | E04-034 | | |
| | | Synthetic Color | The Determination of Water Soluble Synthetic Food Colour In Food by Chromatography Paper and UV/VIS Spectrophotometers | E04-003 | | |
| | | Antioxidant (BHA & BHT) | The Determination of Synthetic Antioxidant (BHA & BHT) in Fats, Oils and Butter Oil by High Performance Liquid Chromatography | E04-005 | | |
| | | Saccharin and Cyclamate | The Determination of Saccharin and Cyclamate in Food by Thin Layer Chromatography (TLC) | E04-007 | | |
| | | Saccharin and Cyclamate | The Determination of Saccharin and Cyclamate in Food by High Performances Liquid Chromatography (HPLC) | E04-008 | | |
| | | Sulphur Dioxide | The Determination of Sulphur Dioxide in Food | E04-009 | | |
| | | Percentage of Moisture | The Determination of Moisture in Food Samples | 5.4.7 | | |
| | | Percentage of Ash | The Determination of Ash Using Muffle Furnace | J04-003 | | |
| | | Melamine | The Determination of Melamine in Food Samples by Liquid Chromatography Tandem Mass Spectrometry | E04-033 | | |
| | | Propionic Acid | The Determination of Propionic Acid in Flour Confection by Gas Chromatography | E04-012 | | |



**PUBLIC HEALTH LABORATORY OF JOHOR BAHRU
MINISTRY OF HEALTH**

Doc No: A03-001(vii)
Issue No: 1
Issue Date: 15th January 2009
Effective Date : 1st August 2009
Issue By: Quality Manager
Rev. No: 01
Page No: 4 of 6

APPENDIX 6
(SOP Handling of Test Items)
List of Parameters Offered

| No. | Unit | Parameter | Method Name | Method ID | Officer | Ext. No. |
|------------------|-------------------------|-----------------------------------|--|-----------|---|----------------------|
| 5 | Food Packaging | Volatile Organic Compounds (VOCs) | Determination of Residual Styrene Monomer and Other Volatile Organic Compounds (VOCs) in Food Contact Materials Using Gas Chromatography | M04-001 | 1) Pn KC Valar Mathi 2) En Quek Hong Keat 3) Cik Toh Swee Min | Ext 3014 |
| | | Phenol Groups (Material Test) | Determination of Residual Bisphenol A, Phenol, p-t-Buthylphenol and Diphenylcarbonate in Food Contact Materials Using High Performance Liquid Chromatography (Material Test) | M04-002a | | Ext 3024 |
| | | Phenol Groups (Migration Test) | Determination of Residual Bisphenol A, Phenol, p-t-Buthylphenol and Diphenylcarbonate in Food Simulants Using High Performance Liquid Chromatography (Migration Test) | M04-002b | | Ext 3020 |
| | | Plasticizers | Determination of Residual Plasticizers in Food Contact Materials Using Gas Chromatography | M04-003 | | |
| | | Material Identification | Identification of Food Packaging Material Using FT-IR Spectrometer | M04-004 | | |
| | | Melamine | Determination of Melamine (2,4,6-triamino-1,3,5-triazine) in Food Simulants Using High Performance Liquid Chromatography (Migration Test) | M04-005 | | |
| | | Plastic | Qualitative Detection of Plastic Residue in Cooking Oil | M04-006 | | |
| 6 | Veterinary Drug Residue | Sulfadiazine (SDZ) | The Determination of Antibacterial Residues in Meat and Meat Product and Fish & Fish Product by High Performance Liquid Chromatography | D04 - 002 | 1) Cik Nurul Hidayati Surawi 2) Cik Izdiani Rusly | Ext 3011 Ext 3020 |
| | | Sulfathiazole (STZ) | | | | |
| | | Sulfamerazine (SMR) | | | | |
| | | Sulfadimidine (SDD) | | | | |
| | | Sulfamonomethoxine (SMM) | | | | |
| | | Sulfadimethoxine (SDM) | | | | |
| | | Oxolinic Acid (OXA) | | | | |
| | | Sulfaquinoxaline (SQX) | | | | |
| Nicarbazin (NCZ) | | | | | | |



**PUBLIC HEALTH LABORATORY OF JOHOR BAHRU
MINISTRY OF HEALTH**

Doc No: A03-001(vii)
Issue No: 1
Issue Date: 15th January 2009
Effective Date : 1st August 2009
Issue By: Quality Manager
Rev. No: 01
Page No: 5 of 6

APPENDIX 6
(SOP Handling of Test Items)
List of Parameters Offered

| No. | Unit | Parameter | Method Name | Method ID | Officer | Ext. No. |
|-----|-------------------------|--|--|-----------|---------|----------|
| | Veterinary Drug Residue | Chlortetracycline (CTC) | Determination of Tetracycline in Animal Tissue Product by High Performance Liquid Chromatography | D4-004 | | |
| | | Tetracycline (TC) | | | | |
| | | Oxytetracycline (OTC) | | | | |
| | | Doxycycline (DC) | | | | |
| | | Chloramphenicol (CAP) | Determination of Chloramphenicol in Meat and Meat Product and Fish and Fish Product by Liquid Chromatography Tandem Mass Spectrometry | D04-010 | | |
| | | Chloramphenicol (CAP) | The Determination of Chloramphenicol in Honey by Liquid Chromatography Tandem Mass Spectrometry | D04-013 | | |
| | | Chloramphenicol (CAP) | The Determination of Chloramphenicol in Milk by LCMS/MS | D04-017 | | |
| | | Nitrofurans i. 3-amino-2-oxazolidinone (AOZ) ii. 3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ) iii. 1-aminohydantoin HCl (AHD) iv. Semicarbazine (SEM) | Determination of Nitrofurans Metabolite Residues in Meat & Meat Products and Fish & Fish Product by Liquid Chromatography Tandem Mass Spectrometry | D04-009 | | |
| | | Anthelmintics i. Thiabendazole ii. Flubendazole | The Determination of Anthelmintics in Meat and Meat Product and Fish & Fish Product by High Performance Liquid Chromatography | D04-001 | | |
| | | Benzimidazole i. Albendazole Sulfoxide ii. Fenbendazole iii. Oxfendazole iv. Thiabendazole v. Albendazole vi. Flubendazole vii. Mebendazole viii. Febantel | The Determination of Benzimidazole Residues in Fish & Fish Product by Liquid Chromatography Tandem Mass Spectrometry | D04-022 | | |



**PUBLIC HEALTH LABORATORY OF JOHOR BAHRU
MINISTRY OF HEALTH**

Doc No: A03-001(vii)
Issue No: 1
Issue Date: 15th January 2009
Effective Date : 1st August 2009
Issue By: Quality Manager
Rev. No: 01
Page No: 6 of 6

APPENDIX 6
(SOP Handling of Test Items)
List of Parameters Offered

| No. | Unit | Parameter | Method Name | Method ID | Officer | Ext. No. |
|-----|--|-----------------------------------|---|-----------|-----------------------------|----------|
| | | Nitrofurans i. AMOZ ii. AOZ | Determination of Nitrofurans (AMOZ & AOZ) using Bio Scientific Test Kit | D04-021 | | |
| | | Chloramphenicol | Determination of CAP using test kits (Renogenic) | D04-016 | | |
| 7 | Industrial and Environmental Contaminant | Plumbum | The Determination of Plumbum, Cadmium and Arsenic in Food by Graphite Furnace Atomic Absorption Spectrophotometer | H04-003 | 1) Pn Saraswathy Simmatheri | Ext 3024 |
| | | Cadmium | The Determination of Plumbum, Cadmium and Arsenic in Food by Graphite Furnace Atomic Absorption Spectrophotometer | H04-003 | | |
| | | | The Determination of Metals (Pb, Cd, Sb) in Food by Atomic Absorption Spectrophotometer-Flame | H04-004 | | |
| | | Arsenic | The Determination of Plumbum, Cadmium and Arsenic in Food by Graphite Furnace Atomic Absorption Spectrophotometer | H04-003 | | |
| | | Mercury | The Determination of Total Mercury in Food by Atomic Absorption Spectrophotometer-Flow Injection Analyses System (AAS-FIAS) | H04-001 | | |