# *Australia New Zealand Food Standards Code* – Amendment No. 94 – 2007

## *Food Standards Australia New Zealand Act 1991*

### Preamble

The variations set forth in the Schedule below are variations to Standards in the *Australia New Zealand Food Standards Code* published by the National Health and Medical Research Council in the *Commonwealth of Australia Gazette*, No. P 27, on 27 August 1987, which have been varied from time to time.

These variations are published pursuant to section 23A of the *Food Standards Australia New Zealand Act 1991*.

### Citation

These variations may be collectively known as the *Australia New Zealand Food Standards Code* – Amendment No. 94 – 2007.

### Commencement

These variations commence on 11 October 2007.

Note: These variations were published in the Commonwealth of Australia *Food Standards Gazette* No. FSC 36 on 11 October 2007.

### SCHEDULE

**[1]** ***Standard 1.3.3*** *is varied by –*

[1.1] *omitting from clause 1 the definition of* EC [number]*, substituting –*

**EC number** (Enzyme Commission number) means the number which the Enzyme Commission uses to classify the principal enzyme activity.

[1.2] *omitting from the* Table to clause 14, cupric citrate on a bentonite base*, substituting –*

| | | |
|---|---|---|
| Cupric citrate | Removal of sulphide compounds from wine | GMP |

[1.3] *omitting the* Table to clause 15, *substituting –*

**Table to clause 15**

| Enzyme | Source |
|---|---|
| Lipase, triacylglycerol<br>EC 3.1.1.3 | Bovine stomach; salivary glands or forestomach of calf, kid or lamb; porcine or bovine pancreas |
| Pepsin<br>EC 3.4.23.1 | Bovine or porcine stomach |
| Phospholipase $A_2$<br>EC 3.1.1.4 | Porcine pancreas |

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| | |
|---|---|
| Thrombin<br>EC 3.4.21.5 | Bovine or porcine blood |
| Trypsin<br>EC 3.4.21.4 | Porcine or bovine pancreas |

[1.4] *omitting the* Table to clause 16, *substituting* –

**Table to clause 16**

| Enzyme | Source |
|---|---|
| α–Amylase<br>EC 3.2.1.1 | Malted cereals |
| β-Amylase<br>EC 3.2.1.2 | Sweet potato (*Ipomoea batatas)*<br>Malted cereals |
| Actinidin<br>EC 3.4.22.14 | Kiwifruit (*Actinidia deliciosa*) |
| Bromelain<br>EC 3.4.22.4 | Pineapple stem (*Ananas comosus)* |
| Ficin<br>EC 3.4.22.3 | *Ficus* spp. |
| Papain<br>EC 3.4.22.2 | *Carica papaya* |

[1.5] *omitting the* Table to clause 17, *substituting* –

**Table to clause 17**

| Enzyme | Source |
|---|---|
| α–Acetolactate decarboxylase<br>EC 4.1.1.5 | *Bacillus amyloliquefaciens*<br>*Bacillus subtilis*<br>*Bacillus subtilis*, containing the gene for α–Acetolactate decarboxylase isolated from *Bacillus brevis* |
| Aminopeptidase<br>EC 3.4.11.1 | *Aspergillus oryzae*<br>*Lactococcus lactis* |
| α–Amylase<br>EC 3.2.1.1 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Bacillus amyloliquefaciens*<br>*Bacillus licheniformis*<br>*Bacillus licheniformis*, containing the gene for α-Amylase isolated from *Geobacillus stearothermophilus*<br>*Bacillus subtilis*<br>*Bacillus subtilis*, containing the gene for α-Amylase isolated from *Geobacillus stearothermophilus*<br>*Geobacillus stearothermophilus* |
| β-Amylase<br>EC 3.2.1.2 | *Bacillus amyloliquefaciens*<br>*Bacillus subtilis* |
| α–Arabinofuranosidase<br>EC 3.2.1.55 | *Aspergillus niger* |
| Carboxyl proteinase<br>EC 3.4.23.6 | *Aspergillus melleus*<br>*Aspergillus niger*<br>*Aspergillus oryzae*<br>*Rhizomucor miehei* |
| Carboxylesterase<br>EC 3.1.1.1 | *Rhizomucor miehei* |
| Catalase<br>EC 1.11.1.6 | *Aspergillus niger*<br>*Micrococcus luteus* |

| | |
|---|---|
| Cellulase<br>EC 3.2.1.4 | *Aspergillus niger*<br>*Trichoderma reesei*<br>*Trichoderma viride* |
| Chymosin<br>EC 3.4.23.4 | *Aspergillus niger*<br>*Escherichia coli* K-12 strain GE81<br>*Kluyveromyces lactis* |
| Cyclodextrin glucanotransferase<br>EC 2.4.1.19 | *Paenibacillus macerans* |
| Dextranase<br>EC 3.2.1.11 | *Chaetomium gracile*<br>*Penicillium lilacinum* |
| Endo-arabinase<br>EC 3.2.1.99 | *Aspergillus niger* |
| α-Galactosidase<br>EC 3.2.1.22 | *Aspergillus niger* |
| β-Galactosidase<br>EC 3.2.1.23 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Kluyveromyces marxianus*<br>*Kluyveromyces lactis* |
| Glucan 1,3-β-glucosidase<br>EC 3.2.1.58 | *Trichoderma harzianum* |
| β-Glucanase<br>EC 3.2.1.6 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Bacillus amyloliquefaciens Bacillus subtilis*<br>*Disporotrichum dimorphosporum*<br>*Humicola insolens*<br>*Talaromyces emersonii*<br>*Trichoderma reesei* |
| Glucoamylase<br>EC 3.2.1.3 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Rhizopus delemar*<br>*Rhizopus oryzae*<br>*Rhizopus niveus* |
| Glucose oxidase<br>EC 1.1.3.4 | *Aspergillus niger*<br>*Aspergillus oryzae*, containing the gene for glucose oxidase isolated from *Aspergillus niger* |
| α-Glucosidase<br>EC 3.2.1.20 | *Aspergillus oryzae*<br>*Aspergillus niger* |
| β-Glucosidase<br>EC 3.2.1.21 | *Aspergillus niger* |
| Hemicellulase endo-1,3-β-xylanase<br>EC 3.2.1.32 | *Humicola insolens* |
| Hemicellulase endo-1,4-β-xylanase<br>EC 3.2.1.8 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Aspergillus oryzae*, containing the gene for Endo-1,4-β-xylanase isolated from *Aspergillus aculeatus*<br>*Aspergillus oryzae*, containing the gene for Endo-1,4-β-xylanase isolated from *Thermomyces lanuginosus*<br>*Bacillus amyloliquefaciens*<br>*Bacillus subtilis*<br>*Humicola insolens*<br>*Trichoderma reesei* |
| Hemicellulase multicomponent enzyme<br>EC 3.2.1.78 | *Aspergillus niger*<br>*Bacillus amyloliquefaciens*<br>*Bacillus subtilis*<br>*Trichoderma reesei* |
| Hexose oxidase<br>EC 1.1.3.5 | *Hansenula polymorpha,* containing the gene for Hexose oxidase isolated from *Chondrus crispus* |
| Inulinase<br>EC 3.2.1.7 | *Aspergillus niger* |

| | |
|---|---|
| Invertase<br>EC 3.2.1.26 | *Saccharomyces cerevisiae* |
| Lipase, monoacylglycerol<br>EC 3.1.1.23 | *Penicillium camembertii* |
| Lipase, triacylglycerol<br>EC 3.1.1.3 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Aspergillus oryzae*, containing the gene for Lipase, triacylglycerol isolated from *Fusarium oxysporum*<br>*Aspergillus oryzae*, containing the gene for Lipase, triacylglycerol isolated from *Humicola lanuginosa*<br>*Aspergillus oryzae*, containing the gene for Lipase, triacylglycerol isolated from *Rhizomucor miehei*<br>*Candida rugosa*<br>*Hansenula polymorpha,* containing the gene for Lipase, triacylglycerol isolated from *Fusarium heterosporum*<br>*Mucor javanicus*<br>*Penicillium roquefortii*<br>*Rhizopus arrhizus*<br>*Rhizomucor miehei*<br>*Rhizophus niveus*<br>*Rhizophus oryzae* |
| Lysophospholipase<br>EC 3.1.1.5 | *Aspergillus niger* |
| Maltogenic α-amylase<br>EC 3.2.1.133 | *Bacillus subtilis* containing the gene for maltogenic α-amylase isolated from *Geobacillus stearothermophilus* |
| Metalloproteinase | *Aspergillus oryzae*<br>*Bacillus amyloliquefaciens*<br>*Bacillus coagulans*<br>*Bacillus subtilis* |
| Mucorpepsin<br>EC 3.4.23.23 | *Aspergillus oryzae*<br>*Aspergillus oryzae*, containing the gene for Aspartic proteinase isolated from *Rhizomucor meihei*<br>*Rhizomucor meihei*<br>*Cryphonectria parasitica* |
| Pectin lyase<br>EC 4.2.2.10 | *Aspergillus niger* |
| Pectinesterase<br>EC 3.1.1.11 | *Aspergillus niger*<br>*Aspergillus oryzae,* containing the gene for pectinesterase isolated from *Aspergillus aculeatus* |
| Phospholipase $A_1$<br>EC 3.1.1.32 | *Aspergillus oryzae,* containing the gene for phospholipase $A_1$ isolated from *Fusarium venenatum* |
| Phospholipase $A_2$<br>EC 3.1.1.4 | *Streptomyces violaceoruber* |
| 3-Phytase<br>EC 3.1.3.8 | *Aspergillus niger* |
| 4-Phytase<br>EC 3.1.3.26 | *Aspergillus oryzae*, containing the gene for 4-phytase isolated from *Peniophora lycii* |
| Polygalacturonase or Pectinase multicomponent enzyme<br>EC 3.2.1.15 | *Aspergillus niger*<br>*Aspergillus oryzae*<br>*Trichoderma reesei* |
| Pullulanase<br>EC 3.2.1.41 | *Bacillus acidopullulyticus*<br>*Bacillus amyloliquefaciens*<br>*Bacillus licheniformis*<br>*Bacillus subtilis*<br>*Klebsiella pneumoniae* |
| Serine proteinase<br>EC 3.4.21.14 | *Aspergillus oryzae*<br>*Bacillus amyloliquifaciens*<br>*Bacillus halodurans*<br>*Bacillus licheniformis*<br>*Bacillus subtilis* |

| | |
|---|---|
| Transglucosidase<br>EC 2.4.1.24 | *Aspergillus niger* |
| Transglutaminase<br>EC 2.3.2.13 | *Streptomyces mobaraensis* |
| Urease<br>EC 3.5.1.5 | *Lactobacillus fermentum* |
| Xylose isomerase<br>EC 5.3.1.5 | *Actinoplanes missouriensis*<br>*Bacillus coagulans*<br>*Microbacterium arborescens*<br>*Streptomyces olivaceus*<br>*Streptomyces olivochromogenes*<br>*Streptomyces murinus*<br>*Streptomyces rubiginosus* |

[1.6] *omitting the* Editorial note*, immediately following the* Table to clause 17, *substituting –*

**Editorial note:**

*Bacillus amyloliquefaciens* is a separate species from *Bacillus subtilis*.
*Aspergillus niger* group covers strains known under the names *Aspergillus aculeatus, A. awamori, A. ficuum, A. foetidus, A. japonicus, A. phoenicis, A. saitor* and *A. usamii*.
*Trichoderma reesei* also known as *Trichoderma longibrachiatum*.
*Kluyveromyces marxianus* – former names *Saccharomyces fragilis* and *Kluyveromyces fragilis*.
*Kluyveromyces lactis* – former name *Saccharomyces lactis*.
*Rhizomucor miehei* – former name *Mucor miehei*.
*Micrococcus luteus* – former name *Micrococcus lysodeikticus*.
*Paenibacillus macerans* – former name *Bacillus macerans*.
*Talaromyces emersonii* – former name *Penicillium emersonii*.
*Klebsiella pneumoniae* – former name *Klebsiella aerogenes*.
*Streptomyces mobaraensis* – former name *Streptoverticillium mobaraensis*.
*Humicola lanuginosa* also known as *Thermomyces lanuginosus*.
*Mucor javanicus* also known as *Mucor circinelloides* f. *circinelloides*.
*Penicillium roquefortii* also known as *Penicillium roqueforti*.
*Hansenula polymorpha* also known as *Pichia angusta*.
*Geobacillus stearothermophilus* – former name *Bacillus stearothermophilus*.
4-Phytase also known as 6-phytase.

**[2]** ***Standard 1.4.2*** *is varied by –*

[2.1] *omitting from* Schedule 1 *all entries for the following chemical –*

Coumaphos

[2.2] *inserting in* Schedule 1 –

| **AZIMSULFURON**<br>AZIMSULFURON | |
|---|---|
| EDIBLE OFFAL (MAMMALIAN) | *0.02 |
| EGGS | *0.02 |
| MEAT (MAMMALIAN) | *0.02 |
| MILKS | *0.02 |
| POULTRY, EDIBLE OFFAL OF | *0.02 |

| | |
|---|---|
| POULTRY MEAT | *0.02 |
| RICE | *0.02 |
| **PROHEXADIONE-CALCIUM**<br>SUM OF THE FREE AND CONJUGATED FORMS OF PROHEXADIONE EXPRESSED AS PROHEXADIONE | |
| APPLE | *0.02 |
| EDIBLE OFFAL (MAMMALIAN) | *0.05 |
| MEAT (MAMMALIAN) | *0.05 |
| MILKS | *0.01 |

[2.3] *omitting from* Schedule 1 *the chemical residue definition for the chemical appearing in* Column 1 *of the Table to this sub-item, substituting the chemical residue definition appearing in* Column 2 –

| COLUMN 1 | COLUMN 2 |
|---|---|
| **THIABENDAZOLE** | *COMMODITIES OF PLANT ORIGIN*:<br>THIABENDAZOLE<br>*COMMODITIES OF ANIMAL ORIGIN*: SUM OF THIABENDAZOLE AND 5-HYDROXYTHIABENDAZOLE, EXPRESSED AS THIABENDAZOLE |

[2.4] *omitting from* Schedule 1 *the foods and associated MRLs for each of the following chemicals –*

| | |
|---|---|
| **INDOXACARB**<br>INDOXACARB | |
| WINE GRAPES | 1 |
| **PACLOBUTRAZOL**<br>PACLOBUTRAZOL | |
| ASSORTED TROPICAL AND SUB-TROPICAL FRUITS – INEDIBLE PEEL [EXCEPT AVOCADO] | *0.01 |
| **PROCYMIDONE**<br>PROCYMIDONE | |
| BEANS [EXCEPT GREEN BEANS] | T10 |
| **TETRACHLORVINPHOS**<br>TETRACHLORVINPHOS | |
| LEAFY VEGETABLES | 2 |

[2.5] *inserting in alphabetical order in* Schedule 1, *the foods and associated MRLs for each of the following chemicals –*

| | |
|---|---|
| **AZOXYSTROBIN**<br>AZOXYSTROBIN | |
| BROCCOLI | T0.5 |
| BRUSSELS SPROUTS | T0.5 |
| CAULIFLOWER | T0.5 |
| EGGS | *0.01 |
| POULTRY, EDIBLE OFFAL OF | *0.01 |
| POULTRY MEAT | *0.01 |

| | |
|---|---|
| **BIFENTHRIN**<br>BIFENTHRIN | |
| TARO | T*0.05 |

| **CHLOROTHALONIL**<br>*COMMODITIES OF PLANT ORIGIN*:<br>CHLOROTHALONIL<br>*COMMODITIES OF ANIMAL ORIGIN*: SUM OF CHLOROTHALONIL AND 4-HYDROXY-2, 5, 6-TRICHLOROISOPHTHALONITRILE METABOLITE, EXPRESSED AS CHLOROTHALONIL | |
|---|---|
| ASPARAGUS | T*0.1 |
| **CYPERMETHRIN**<br>CYPERMETHRIN, SUM OF ISOMERS | |
| LEEK | T0.5 |
| SHALLOT | T0.5 |
| SPRING ONION | T0.5 |
| **DIFENOCONAZOLE**<br>DIFENOCONAZOLE | |
| BEETROOT | T0.2 |
| **ETHEPHON**<br>ETHEPHON | |
| MANGO | T10 |
| OLIVES | T5 |
| WHEAT | T1 |
| **ETOXAZOLE**<br>ETOXAZOLE | |
| GRAPES | T0.5 |
| PEAR | T0.2 |
| STONE FRUITS | T0.5 |
| **INDOXACARB**<br>INDOXACARB | |
| DRIED GRAPES | 2 |
| GRAPES | 0.5 |
| LEAFY VEGETABLES [EXCEPT LETTUCE, HEAD] | 5 |
| LINSEED | T0.5 |
| SAFFLOWER SEED | T0.5 |
| STRAWBERRY | T1 |
| **MCPA**<br>MCPA | |
| RHUBARB | *0.02 |

| **METHOMYL**<br>SUM OF METHOMYL AND METHYL HYDROXYTHIOACETIMIDATE ('METHOMYL OXIME'), EXPRESSED AS METHOMYL<br>*SEE ALSO* THIODICARB | |
|---|---|
| TARO | T1 |
| **PACLOBUTRAZOL**<br>PACLOBUTRAZOL | |
| ASSORTED TROPICAL AND SUB-TROPICAL FRUITS – INEDIBLE PEEL [EXCEPT AVOCADO AND MANGO] | *0.01 |
| MANGO | T1 |
| **PROCYMIDONE**<br>PROCYMIDONE | |
| BROAD BEAN (DRY) | T10 |
| BROAD BEAN (GREEN PODS AND IMMATURE SEEDS) | T10 |
| COMMON BEAN (DRY) | T10 |
| COMMON BEAN (PODS AND/OR IMMATURE SEEDS) | T3 |
| **PROPICONAZOLE**<br>PROPICONAZOLE | |
| ASPARAGUS | T*0.1 |
| **PYMETROZINE**<br>PYMETROZINE | |
| PODDED PEA (YOUNG PODS) (SNOW AND SUGAR SNAP) | 0.3 |
| **TEBUCONAZOLE**<br>TEBUCONAZOLE | |
| ASPARAGUS | T*0.02 |
| **THIABENDAZOLE**<br>*COMMODITIES OF PLANT ORIGIN*:<br>THIABENDAZOLE<br>*COMMODITIES OF ANIMAL ORIGIN*: SUM OF THIABENDAZOLE AND 5-HYDROXYTHIABENDAZOLE, EXPRESSED AS THIABENDAZOLE | |
| SWEET POTATO | T0.05 |

[1.6] *omitting from* Schedule 1*, under the entries for the following chemicals, the maximum residue limit for the food, substituting –*

| **AZOXYSTROBIN**<br>AZOXYSTROBIN | |
|---|---|
| PEANUT | 0.05 |
| PEANUT OIL, CRUDE | 0.1 |
| **ETHEPHON**<br>ETHEPHON | |
| BARLEY | 1 |

| **GLUFOSINATE AND GLUFOSINATE-AMMONIUM**<br>SUM OF GLUFOSINATE-AMMONIUM, N-ACETYL GLUFOSINATE AND 3-[HYDROXY(METHYL)-PHOSPHINOYL] PROPIONIC ACID, EXPRESSED AS GLUFOSINATE (FREE ACID) | |
|---|---|
| COTTON SEED | 3 |

| **GLYPHOSATE**<br>SUM OF GLYPHOSATE AND AMINOMETHYLPHOSPHONIC ACID (AMPA) METABOLITE, EXPRESSED AS GLYPHOSATE | |
|---|---|
| COTTON SEED | 15 |
| **IMIDACLOPRID**<br>SUM OF IMIDACLOPRID AND METABOLITES CONTAINING THE 6-CHLOROPYRIDINYLMETHYLENE MOIETY, EXPRESSED AS IMIDACLOPRID | |
| BANANA | 0.5 |
| CITRUS FRUITS | 2 |
| **QUINOXYFEN**<br>QUINOXYFEN | |
| DRIED GRAPES | 2 |
| GRAPES | 0.6 |

| **THIAMETHOXAM**<br>*COMMODITIES OF PLANT ORIGIN*: THIAMETHOXAM<br>*COMMODITIES OF ANIMAL ORIGIN*: SUM OF THIAMETHOXAM AND N-(2-CHLORO-THIAZOL-5-YLMETHYL)-N'-METHYL-N'-NITRO-GUANIDINE, EXPRESSED AS THIAMETHOXAM | |
|---|---|
| SUNFLOWER SEED | *0.02 |
| **TRIFLOXYSULFURON SODIUM**<br>TRIFLOXYSULFURON | |
| SUGAR CANE | *0.01 |
| **UNICONAZOLE-P**<br>SUM OF UNICONAZOLE-P AND ITS Z-ISOMER EXPRESSED AS UNICONAZOLE-P | |
| AVOCADO | 0.5 |

**[3]** ***Standard 2.2.1*** *is varied by omitting from clause 1 the definition of* meat pie*, substituting –*

**meat pie** means a pie containing no less than 250 g/kg of meat flesh.

**[4]** ***Standard 4.5.1*** *is varied by omitting from the* Table to clause 4, cupric citrate on a bentonite base*, substituting –*

| Cupric citrate |
|---|