Government of Canada / Gouvernement du Canada
Canadian Food Inspection Agency / Agence canadienne d'inspection des aliments

REFERENCE NUMBER: _____

VETERINARY HEALTH CERTIFICATE

EXPORT OF TURKEY HATCHING EGGS TO AUSTRALIA
(Source Flock Vaccinated Against Newcastle Disease Virus)

Exporter: _____

Address: _____

_____

Importer: _____

Address: _____

_____

Flock Identification: _____ **Egg Identification:** _____

Import Permit Number: _____

SECTION I - Declaration by the Owner or Manager of the Source Flock

(This certificate is to accompany the consignment of eggs to which it refers.)

I, _____ of

_____, the owner/manager (delete one) of the source flock from which the eggs to be exported to Australia were derived, hereby declare that:

1. The source flock has not been vaccinated against avian influenza. Vaccination against Newcastle Disease Virus (NDV) has not have been done within 10 weeks of the date of commencement of pre-collection testing.

2. The vaccination history of the source flock is as follows:

Disease	Dates(s) of Vaccination	Type of Vaccine

Signature Owner/Manager: _____ Date: _____

Name: _____

Address: _____

_____

The contents of this declaration were explained to the owner and his signature witnessed by:

_____ _____
Signature - Official Veterinarian Government of Canada Date

Name: _____

Address: _____

_____

_____
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REFERENCE NUMBER: _____

First Veterinary Certificate Relating to the Export of Hatching Eggs of Domestic Turkeys to Australia (source flock vaccinated against ND)

(This certificate to accompany the consignment of eggs)

PART A: Flock Status and Disease Testing

I, _____, an Official Veterinarian of the Government of Canada, hereby certify in relation to the consignment of hatching eggs identified on Australian Import Permit Number _____ that:

1. The source flock, which the eggs to be exported to Australia were derived, has been under my supervision for the previous ninety (90) days.

2. The eggs have been laid by a source flock which has a maximum age range of six (6) weeks, the youngest bird being not less than thirty-five (35) weeks old when eggs were collected, and which has been a closed flock since the onset of sexual maturity.

3. The source flock is housed in secure rodent-proof and bird-proof buildings and is isolated by 400 metres from all poultry unless these are shown by testing to be of a health status equal to the source flock. All buildings containing feed and feeding equipment are also bird proofed.

4. All water supplies are secure against contamination by wild birds.

5. A comprehensive biosecurity program has been in place prior to and during egg collection to minimize the introduction of disease. This included the use of dedicated staff for the source flock during this period. After due enquiry I am satisfied that there has been no epidemiological contact between the source flock and any premises on which clinical Newcastle disease or avian influenza has occurred during the past 3 months.

6. The source flock has been free from clinical signs of the following diseases for the ninety (90) day period prior to collection of the eggs for export Australia and has not come into contact with any birds showing evidence of these diseases:

   - Arizona disease (*Salmonella arizona*)
   - Avian influenza
   - Avian paramyxoviridae type 2 and 3 infection
   - Fowl typhoid (*Salmonella gallinarum*)
   - Infectious Bursal Disease
   - *Mycoplasma iowae* infection
   - Newcastle disease
   - *Ornithobacterium rhinotracheale* infection
   - pullorum disease (*Salmonella pullorum)*
   - runting/stunting syndrome
   - *Salmonella enteritidis* infection
   - Turkey Lymphoproliferative disease
   - Turkey Meningoencephalitis
   - Turkey viral hepatitis
   - Avian pneumovirus infection

7. The eggs for export to Australia were collected over a period of fourteen (14) days or less. The eggs for export to Australia were collected separately to floor and dirty eggs. No floor or dirty eggs are included in this consignment of eggs for Australia.

8. The eggs for export were clean and were not washed or cleaned after collection.

_____
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9. After collection, the eggs for export were stacked on new plastic egg flats so as to permit air circulation, and within eight (8) hours of lay, were either:

   i) fumigated with formaldehyde gas ;

   or

   ii) disinfected with an egg sanitizer/disinfectant (provide details of procedure used).

10. The eggs for export were packing in the room in which they were fumigated/disinfected, after fumigation/disinfection and cooling to storage temperature, the eggs were packed into new crates with new, unused separators and sealed in leak proof egg boxes for transport to Australia. The eggs were handled and packed in a manner to avoid possible recontamination. The eggs were placed in plastic bags or the approved solid-sided aircraft containers were lined with plastic to prevent any leakage if damage to the eggs occurs during transport. The sealed boxes were held in isolation from other birds and eggs until dispatch.

Pre-egg collection testing

Within twenty-one (21) days before the first day of collection of eggs for export to Australia, a **sample** (please note the required sample size for each pathogen and required test type) of the birds in the source flock were tested for the following pathogens with negative results or with titres as indicated below.

a) **Avian influenza virus type A - serology using ELISA** (sample to be of sufficient size to give **99%** confidence of detecting the disease if there was a **5%** disease prevalence in the source flock)

b) **Newcastle disease - HIT** (a random sample of 100 individually identified birds in the source flock was tested for NCD using the HIT, with individual titres recorded for each bird sampled. A list of the titres is attached to this certificate. After sampling, the 100 birds were replaced randomly throughout the source flock.

   The serological titres for NCD were not higher than 1:1024, and the test is scheduled to be repeated on the same birds not less than 14 days after the collection of the last egg for this consignment

c) **Avian paramyxoviridae type 3 - HIT** (a random sample of 100 individually identified birds in the source flock was tested for PMV 3 using the HIT, with individual titres recorded for each bird sampled. A list of the titres is attached to this certificate. After sampling, the 100 birds were replaced randomly throughout the source flock.

   The serological titres for PMV 3 were not higher than 1:1024, and the test is scheduled to be repeated on the same birds not less than 14 days after the collection of the last egg for this consignment

d) **Avian paramyxoviridae type 2 - HIT** (serological sample of source flock of sufficient size to give **99%** confidence of detection of the disease if there was a **0.5%** prevalence in the flock).

e) **Avian pneumovirus - ELISA** (serological sample of source flock of sufficient size to give **99%** confidence of detection of the disease if there was a **0.5%** prevalence in the flock).

f) **Mycoplasma iowae** - **semen** from each tom used to inseminate the source flock was **cultured** individually and found to be negative**.**

   AND

   *****Records of regular monitoring of dead-in-shell embryos pipped eggs, etc. of the source flock were examined, all available information indicate that the flock is free from Mycoplasma Iowa.

   OR

   *****All females in the source flock were tested by culture for *Mycoplasma iowae* and found to be free from the organism.
   ***Delete one.**

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g) **Salmonella pullorum** - **RSAT** (rapid serum or whole blood agglutination)
Salmonella gallinarum - **RSAT**
Salmonella enteritidis - **RSAT**
(serological sample of source flock of sufficient size to give **99%** confidence of detection of the disease if there was a **0.5%** prevalence in the flock)

Where there were positive or suspicious reactors for *S. pullorum*, *S.gallinarum* or *S. enteriditis*, all the reactors were killed and their organs cultured and the results of the tests are attached.

* Salmonella testing not required provided CFIA can certify that:

1. the flock is participating in the OHSFP (Ontario Hatchery and Supply Flock Program)

2. there has not been any isolation of S. pullorum, gallinarum or enteriditis on the source farm for the 3 years prior to export of the eggs

3. the breeding flocks were tested according to the OHSFP protocols between 16 and 24 weeks of age with negative results.

4. the source flock remains pullorum and typhoid free.

h) **Salmonella Arizona** - source flock determined to be free of infection. The abscence of these bacteria was determined by procedures to culture and isolate them from shed litter. Twenty samples were collected from each shed. Each sample was a composite sample of 3 floor and 2 nest litter samples (ie a total of 60 floor locations and 40 nest boxes per shed).

The total number of composite samples tested:.....

All tests were carried out in a government laboratory or a laboratory approved by the Canadian Food Inspection Agency for this specific purpose. The tests were OIE-approved tests or tests approved by the Director of Animal and Plant Quarantine (Australia). Test results are shown below:

Total number of birds in the source flock _____

Disease	Test Used	No. of tests	No. of positive results
Influenza virus type A			
Newcastle Disease and PMV 3			
PMV 2			
Avian pnuemovirus			
Mycoplasma *iowae*			
Salmonella pullorm			
Salmonella gallinarum			
Salmonella enteritidis			
Salmonella arizona			

_____ _____
Signature - Official Veterinarian Government of Canada Date

Name:_____

Address: _____

_____

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REFERENCE NUMBER: _____

Part B: Disease Status of Country of Origin

I,_____ (please print name), a Government Veterinary Officer of _____ (please print country of export) hereby certify in relation to the consignment of hatching eggs identified on Australian Import Permit Number _____ that:

1. Canada is free from Highly Pathogenic Notifiable Avian Influenza.

2. Canada if free of the following diseases* in commercial poultry, game birds and pet birds.

   - Avian paramyxovirus type 2 infection
   - Avian paramyxovirus type 3 infection
   - *Salmonella pullorum*
   - *Salmonella gallinarum*
   - *Salmonella enteritidis* infection
   - Avian pnuemovirus infection

   * **Delete those diseases not applicable**

3. The country/zone of export is currently free of clinical Newcastle disease and clinical signs related to infection with any avian influenza virus * **OR**

   The country/zone of export is not free of clinical Newcastle disease and clinical signs related to infection with any avian influenza virus, but stamping out and disinfection procedures were completed greater than 21 days prior to the start of collection of the eggs for this consignment; and no case of clinical Newcastle or clinical signs related to infection with any avian influenza virus have been reported in the country or zone during the egg-collection period.*

   *** Delete statement that is not applicable**

4. After due enquiry, I am satisfied that the source flock has not been vaccinated against avian influenza.

_____ _____

Signature - Official Veterinarian Government of Canada Date

Name:_____

Address: _____

_____

_____

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REFERENCE NUMBER: _____

Second Veterinary Certificate relating to the Export of Hatching Eggs of Domestic Turkeys to Australia (source flock vaccinated against ND).

This certificate relates to the post collection observation, production records and disease status of source flock and should be sent to the veterinary officer of the Torrens Island Animal Quarantine Station or the Veterinary Officer supervising the Quarantine Approved Premises as soon as possible after the completion of the post-egg-collection observation period.

Part A: Flock status and disease testing

I,_____ (please print name), a Government Veterinary Officer of _____ (please print country of export) hereby certify in relation to the consignment of hatching eggs identified on Australian Import Permit Number _____ that:

Post-egg collection testing

1. The source flock, from which the eggs were derived, has been under my supervision for the twenty-one (21) days since the eggs exported to Australia were collected.

2. Between **14 and 21 days after the last day of collection of eggs** for export to Australia, a sample of the parent flock was tested serologically for antibody to Influenza virus type A by ELISA with negative results

   The sample size was of a sufficient size to give a 99% confidence of detecting the disease if there was a 5% disease prevalence in the source flock

   Total number of birds in the source flock.....

   Total number of birds tested .....

3. I have examined the list of serological titres from the testing of a sample of 100 individually identified birds prior to egg collection for this consignment and am satisfied that the overall titres for antibody for Newcastle Disease were not higher than 1:1024. Results of this testing are attached.

   Between **14 and 21 days after the last day of collection of eggs** for export to Australia, the same 100 individually identified birds were again blood sampled and tested by HI test for **ND and PMV 3**, with no rise in titres suggestive of contact with Newcastle Disease or PMV 3 (ie 2 fold dilution increase) in any individual bird. Where suspicious rises in titre were observed, virus isolation tests were performed with negative results. Results of this testing attached.

4. All tests were carried out in a government laboratory or a laboratory approved by the Canadian Food Inspection Agency for this specific purpose. The tests were OIE-approved tests or tests approved by the Director of Animal and Plant Quarantine (Australia).

5. Any clinical disease in the source flock or drop in quantity, quality, or fertility/hatchability of the eggs produced by the source flock has been investigated and the laboratory reports are attached.

Disease	Test Used	No. of tests	No. of positive tests
Influenza virus type A			
Newcastle Disease and PMV3			

_____ _____

Signature - Official Veterinarian Government of Canada Date

Name:_____

Address: _____

_____

_____

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REFERENCE NUMBER: _____

Part B: Disease Status of Country of Origin

I,_____ (please print name), a Government Veterinary Officer of _____ (please print country of export) hereby certify in relation to the consignment of hatching eggs identified on Australian Import Permit Number _____ that:

1. The country of export was free of highly pathogenic notifiable avian influenza at the time of commencement of egg collection for this consignment and has remained free throughout the post-egg-collection observation period.

2. Clinical Newcastle disease and avian influenza have not been reported during the post-egg collection period within forty (40) kilometres of the location of the source flock.

3. After due enquiry, I am satisfied that the source flock has remained a closed flock and any clinical evidence of disease has been investigated and the results indicate that the specified diseases have not occurred during the period since the collection of eggs for Australia.

   Influenza virus type A infection
   Newcastle Disease
   Avian paramyxovirus type 2 infection
   Avian paramyxovirus type 3 infection
   Pullorum disease
   Fowl typhoid (S.gallinarum)
   Salmonella enteriditis
   Avian pneumovirus infection

_____ _____
Signature - Official Veterinarian Government of Canada Date

Name:_____

Address: _____

_____

_____
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NOTE: ALL PAGES TO BE ENDORSED WITH THE OFFICIAL EXPORT STAMP.

ATTACHMENT TO VETERINARY HEALTH CERTIFICATE
EXPORT OF TURKEY HATCHING EGGS TO AUSTRALIA
SAMPLE SIZE FOR 99% CONFIDENCE OF DETECTING 0.5% AND 5% PREVALENCE OF DISEASE

Population Size	Sample Size to detect 0.5% prevalence	Sample Size to detect 5% prevalence
10	10	10
20	20	20
30	30	30
40	40	36
50	50	42
60	60	47
70	70	51
80	80	54
90	90	57
100	100	59
120	120	63
140	140	67
160	160	69
180	179	71
200	198	73
250	244	76
300	286	78
350	325	80
400	360	81
450	392	82
500	421	83
600	470	84
700	512	85
800	546	85
900	576	86
1000	601	86
1200	642	87
1400	674	87
1600	699	88
1800	720	88
2000	737	88
3000	792	89
4000	821	89
5000	840	89
6000	852	90
7000	861	90
8000	868	90
9000	874	90
10000	878	90
11000	919	90