

Test Report

Date of issue : 08-07-2021

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Castco LRN: 210616-2444

Sample details as supplied by customer:-

Customer: Hong Kong Heritage Pork Limited 香港家豬

Customer Ref. No.: --

Address: 14, 1/F, Wah Yiu Industrial Centre, 30-32 Au Pui Wan Street, Fo Tan, New Territories, Hong Kong

Sample Name: --

Contract No.: --

Manufacturer: --

Sample / Batch No. : --

Sample Description : 太極豬

Date Sampled: 16-06-2021

Laboratory Test Results:-

Date of sample received: 16-06-2021

Test period: 16-06-2021 to 07-07-2021

Method used: 1-7: In-house method by employing inductively coupled plasma mass spectrometry
 8 - 11: In-house method by employing high performance liquid chromatography with tandem mass spectrometry
 12 - 29: In-house method by employing high performance liquid chromatography with tandem mass spectrometry
 30: Genetic analysis: OIE Terrestrial Manual 2012, Chapter 2.8.1 African Swine Fever
 DNA extraction followed by Qualitative Polymerase chain reaction (PCR)

Toxic element and Heavy Metal Analysis

Test Item(s)	Result(s) (mg/kg)	Maximum level of metal in food according to Food adulteration (metallic contamination) regulations - meat (mg/kg) (For reference only)	
1. Antimony content	mg/kg(ppm)	Not Detected	1
2. Arsenic content	mg/kg(ppm)	Not Detected	0.5
3. Cadmium content	mg/kg(ppm)	Not Detected	0.05
4. Chromium content	mg/kg(ppm)	Not Detected	1
5. Lead content	mg/kg(ppm)	Not Detected	0.1
6. Mercury content	mg/kg(ppm)	Not Detected	0.05
7. Tin content	mg/kg(ppm)	Not Detected	N/A

Beta agonists Analysis

Test	Result(s)	
8. Clenbuterol	µg/kg (ppb)	Not Detected
9. Terbutaline	µg/kg (ppb)	Not Detected
10. Salbutamol	µg/kg (ppb)	Not Detected
11. Zilpaterol	µg/kg (ppb)	Not Detected

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Laboratory Test Results(cont'd):-

Antibiotics drug screening

Test	Results
12. Chloramphenicol $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
13. Metabolites of Furazolidone (AOZ) $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
14. Metabolites of Furaltadone (AMOZ) $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
15. Metabolites of Nitrofurantoin (AHD) $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
16. Metabolites of Nitrofurazone (SEM) $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
17. Sulfadiazine $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
18. Sulfamerazine $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
19. Sulfadimidine $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
20. Sulfamethoxazole $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
21. Oxytetracycline $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
22. Tetracycline $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
23. Chlortetracycline $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
24. Doxycycline $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
25. Enrofloxacin $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
26. Oxolinic acid $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
27. Benzylpenicillin $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
28. Dicloxacillin $\mu\text{g}/\text{kg}$ (ppb)	Not Detected
29. Cloxacillin $\mu\text{g}/\text{kg}$ (ppb)	Not Detected

Molecular identification test

Test	Test Result
30. African Swine Fever (ASF) Virus, Qualitative PCR and Confirmation with PCR-RFLP	Not Detected

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Laboratory Test Results(cont'd):-


Remark(s):

1. Test results only relate to the specimen tested.
2. ppm denotes part per million, ppb denotes part per billion, ND denotes not detected.
3. The reporting limits of analytes are as follows respectively:
 Arsenic = 0.1mg/kg; Mercury = 0.03mg/kg; Lead = 0.1mg/kg; Tin = 1mg/kg; Chromium = 0.2mg/kg;
 Cadmium = 0.02mg/kg; Antimony = 0.2mg/kg
 Chloramphenicol = 0.3µg/kg;
 Sulfadiazine, Sulfamerazine, Sulfadimidine & Sulfamethoxazole = 20µg/kg each; Oxytetracycline, Tetracycline,
 Chlortetracycline & Doxycycline, Enrofloxacin, Oxolinic acid = 100µg/kg each;
 Benzylpenicillin = 50µg/kg; Dicloxacillin & Cloxacillin = 150 µg/kg each
 Clenbuterol; Salbutamol; Terbutaline; Zilpaterol = 1 µg/kg each
 Metabolites of Furazolidone, Metabolites of Furaltadone, Metabolites of Nitrofurazone and
 Metabolites of Nitrofurantoin are 1µg/kg each
4. Nitrofurans and its metabolites consist of Metabolites of Furazolidone(AOZ), Metabolites of Furaltadone(AMOZ),
 Metabolites of Nitrofurazone(SEM) and Metabolites of Nitrofurantoin(AHD).

Checked by :



 Wong Chi Ho

Assistant Technical Manager


 Leung Sze Yui, Horasis

Technical Manager

Certified by :


 Lo Tim Lun

Senior Manager

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For Reference only**Food Adulteration (Metallic Contamination) Regulations (Cap. 132, section 55(1))**

Maximum Level of Metal in Food

Column 1	Column 2	Column 3	Column 4
Metal	Food	Maximum Level (mg/kg)	Note
Antimony	Meat of animal	1	note 1
Arsenic (expressed as total arsenic)	Meat of animal	0.5	note 1
Cadmium	Meat of cattle, pigs, goat and sheep	0.05	note 1
Chromium	Meat of animal	1	note 1
Lead	Meat of cattle, pig, goat and sheep	0.1	note 1
Mercury (expressed as total mercury)	Meat of animal	0.05	note 1

Note 1: Applies to edible portion after removal of bones (if any) and to fat from the meat.

End of Report