



# Health Research Institute

505 Dimick Drive  
Suite 111  
Fairfield, IA 52556  
Ph: +1 (641) 552-6258  
[labmanager@hrilabs.org](mailto:labmanager@hrilabs.org)

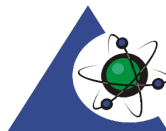
| COA7 V1 Certificate of Analysis                                                                                                                                                                                                                                                                                                                  |                                                                  |            |                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------|----------------------------|
| Client:                                                                                                                                                                                                                                                                                                                                          | Zen Honeycutt, Mom's Across America                              |            | Report Date: Report        |
| Sample ID Number                                                                                                                                                                                                                                                                                                                                 | Sample Description                                               | Lot Number | Summary of Results         |
| S10963                                                                                                                                                                                                                                                                                                                                           | TACO BELL - Beef taco supreme                                    | NA         | Please refer in CoA Page 2 |
| S10975                                                                                                                                                                                                                                                                                                                                           | CHIPOTLE - Carnitas bowl with everything                         | NA         | Please refer in CoA Page 2 |
| S10983                                                                                                                                                                                                                                                                                                                                           | DUNKIN - Breakfast sandwich - sausage, egg and cheese            | NA         | Please refer in CoA Page 2 |
| S10990                                                                                                                                                                                                                                                                                                                                           | WENDY'S - Cheese Burger                                          | NA         | Please refer in CoA Page 2 |
| S10993                                                                                                                                                                                                                                                                                                                                           | DOMINO'S - Pepperoni cheese pizza - extra pepperoni              | NA         | Please refer in CoA Page 2 |
| S11005                                                                                                                                                                                                                                                                                                                                           | BURGER KING - Quarter Pounder with lettuce and tomato and cheese | NA         | Please refer in CoA Page 2 |
| S11006                                                                                                                                                                                                                                                                                                                                           | STARBUCKS - Double-Smoke Bacon, Cheddar and Egg Sandwich         | NA         | Please refer in CoA Page 2 |
| S11007                                                                                                                                                                                                                                                                                                                                           | SUBWAY - Cold Cut Combo - Footlong                               | NA         | Please refer in CoA Page 2 |
| S11010                                                                                                                                                                                                                                                                                                                                           | CHICK-FIL-A - Chicken sandwich                                   | NA         | Please refer in CoA Page 2 |
| S11016                                                                                                                                                                                                                                                                                                                                           | MCDONALD'S - Big Mac - Beef, Lettuce, Pickle, American Cheese    | NA         | Please refer in CoA Page 2 |
| Details on Following Page                                                                                                                                                                                                                                                                                                                        |                                                                  |            |                            |
| 1) Schneider MJ, Lehotay SJ, Lightfield AR. Evaluation of a multi-class, multi-residue liquid chromatography-tandem mass spectrometry method for analysis of 120 veterinary drugs in bovine kidney. Drug Test Anal. 2012 Aug;4 Suppl 1:91-102. <a href="https://doi.org/10.1002/dta.1359">https://doi.org/10.1002/dta.1359</a> . PMID: 22851365. |                                                                  |            |                            |
| 2. Esmer Jongedijk, Markus Fifeik, Ane Arrizabalaga-Larrañaga, Joachim Polzer, Marco Blokland, Saskia Sterk, Use of high-resolution mass spectrometry for veterinary drug multi-residue analysis, Food Control 2023,                                                                                                                             |                                                                  |            |                            |
| 3. James B. Wittenberg*, Kelli A. Simon, Jon W. Wong; Targeted Multiresidue Analysis of Veterinary Drugs in Milk Based Powders Using Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS), J. Agric. Food Chem. 2017 65 34 7288-7293 2017 <a href="https://doi.org/10.1021/acs.jafc.6b05263">https://doi.org/10.1021/acs.jafc.6b05263</a>   |                                                                  |            |                            |
| 4. Sample Analysis: Screening and Confirmation of Animal Drug Residues by UHPLC-MS-MS, USDA Food Safety and Inspection Service method CRG-MRM3.02, modified for lower sensitivity.                                                                                                                                                               |                                                                  |            |                            |
| Analysed and reported on Behalf of Health Research Institute by                                                                                                                                                                                                                                                                                  |                                                                  |            |                            |

V.R. Kishore

Kishore Velamuri  
Research Scientist  
[kishore@hrilabs.org](mailto:kishore@hrilabs.org)



ISO/IEC 17025:2017  
CA STATE ID: 800766



PJLA  
Accreditation # 92657

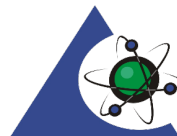
Released on Behalf of Health Research Institute by

John Fagan

Dr. John Fagan  
Chief Scientist  
Dimick Drive, Suite 111  
Fairfield, IA 52556  
+1 641-552-6258



ISO/IEC 17025:2017  
CA STATE ID: 800766



PJLA  
Accreditation # 92657



# Health Research Institute

505 Dimick Drive  
Suite 111  
Fairfield, IA 52556  
Ph: +1 (641) 552-6258  
[labmanager@hriiabs.org](mailto:labmanager@hriiabs.org)

| SAMPLE DESCRIPTION      |                  |                                   |                                              |                                                                 |                          |                                                            |                                                                            |                                                                    |                                        |                                    |                                                                      |
|-------------------------|------------------|-----------------------------------|----------------------------------------------|-----------------------------------------------------------------|--------------------------|------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------|------------------------------------|----------------------------------------------------------------------|
|                         |                  | TACO BELL<br>Beef taco<br>supreme | CHIPOTLE<br>Carnitas bowl<br>with everything | DUNKIN<br>Breakfast<br>sandwich -<br>sausage, egg and<br>cheese | WENDY'S<br>Cheese Burger | DOMINO'S<br>Pepperoni cheese<br>pizza - extra<br>pepperoni | BURGER KING<br>Quarter Pounder<br>with lettuce and<br>tomato and<br>cheese | STARBUCKS<br>Double-Smoke<br>Bacon, Cheddar<br>and Egg<br>Sandwich | SUBWAY<br>Cold Cut Combo -<br>Footlong | CHICK-FIL-A<br>Chicken<br>sandwich | MCDONALD'S<br>Big Mac - Beef,<br>Lettuce, Pickle,<br>American Cheese |
| Units: µg/kg            |                  |                                   |                                              |                                                                 |                          |                                                            |                                                                            |                                                                    |                                        |                                    |                                                                      |
| Veterinary residue name | Testing<br>conc. | S10963                            | S10975                                       | S10983                                                          | S10990                   | S10993                                                     | S11005                                                                     | S11006                                                             | S11007                                 | S11010                             | S11016                                                               |
| METRONIDAZOLE           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| MONENSIN                | 2 µg/kg          | 0.64                              | N.D.                                         | 0.13                                                            | 0.33                     | 0.19                                                       | 0.46                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | 0.46                                                                 |
| MORANTEL TITRATE        | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| NAFCILLIN               | 20 µg/kg         | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| NARASIN                 | 2 µg/kg          | N.D.                              | N.D.                                         | Trace                                                           | 1.53                     | Trace                                                      | N.D.                                                                       | Trace                                                              | N.D.                                   | N.D.                               | N.D.                                                                 |
| NORFLOXACIN             | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| ORBIFLOXACIN            | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| OXACILLIN               | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| OXYPHENYLBUTAZONE       | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| OXYTETRACYCLINE         | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PENICILLIN G            | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PHENYLBUTAZONE          | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PIRLIMYCIN              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PREDNISONE              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PROMETHAZINE            | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PROPIONYLPROMAZINE      | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| RACTOPAMINE             | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| RONIDAZOLE              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SALBUTAMOL              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SALINOMYCIN             | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SARAFLOXACIN            | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFACHLORPYRIDAZINE    | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFADIAZINE            | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFADIMETHOXINE        | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFADOXINE             | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAETHOXYPYRIDAZINE   | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAMERAZINE           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAMETHAZINE          | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAMETHIZOLE          | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAMETHOXAZOLE        | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAMETHOXYPYRIDAZINE  | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFANILAMIDE           | 10 µg/kg         | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFANITRAN             | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAPYRIDINE           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFAQUINOXALINE        | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFATHIAZOLE           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| SULFISOXAZOLE           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TETRACYCLINE            | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| THIABENDAZOLE           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TILDIPROSON             | 20 µg/kg         | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TILMICOSIN              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TOLFENAMIC ACID         | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TRENBOLONE ACETATE      | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TRIFLUPROMAZINE         | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TULATHROMYCIN A         | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| TYLOSIN                 | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| VIRGINIAMYCIN           | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| XYLAZINE                | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| ZERANOL (B-ZEARALANOL)  | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| ZILPATEROL              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| DANOFLOXIN MESYLATE     | 20 µg/kg         | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| PENICILLIN V            | 20 µg/kg         | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | N.D.                               | N.D.                                                                 |
| NICARBAZIN              | 2 µg/kg          | N.D.                              | N.D.                                         | N.D.                                                            | N.D.                     | N.D.                                                       | N.D.                                                                       | N.D.                                                               | N.D.                                   | 0.36                               | N.D.                                                                 |

Form No.: FM-025

Issue Date: 9/22/2023

LF-Rev: 9/22/2026

## Notes:

See Limits of Quantification (LOQs) for each analyte on following

N.D. = Not Detected

Trace: Conc. < 0.1 µg/kg

µg/kg = microgram per kilogram and may also be expressed as  
parts per billion (ppb)

## Top Ten Fast Food Veterinary Drugs and Hormones Test Results

### SAMPLE DESCRIPTION

|                         |               | <br><b>TACO BELL</b><br>Beef taco supreme | <br><b>CHIPOTLE</b><br>Carnitas Bowl with everything | <br><b>DUNKIN'</b><br>Breakfast sandwich - sausage, egg and cheese | <br><b>WENDY'S</b><br>Cheese Burger | <br><b>DOMINO'S</b><br>Pepperoni cheese pizza - extra pepperoni | <br><b>BURGER KING</b><br>Quarter Pounder with lettuce and tomato and cheese | <br><b>SUBWAY</b><br>Cold Cut Combo - Footlong | <br><b>STARBUCKS</b><br>Double-Smoke Bacon, Cheddar and Egg Sandwich | <br><b>CHICK-FIL-A</b><br>Chicken sandwich | <br><b>MCDONALD'S</b><br>Big Mac - Beef, Lettuce, Pickle, American Cheese |
|-------------------------|---------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                         |               | Units: µg/kg                                                                                                               |                                                                                                                                       |                                                                                                                                                     |                                                                                                                      |                                                                                                                                                   |                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                         |                                                                                                                               |                                                                                                                                                              |
| Veterinary residue name | Testing conc. | S10963                                                                                                                     | S10975                                                                                                                                | S10983                                                                                                                                              | S10990                                                                                                               | S10993                                                                                                                                            | S11005                                                                                                                                                          | S11007                                                                                                                            | S11006                                                                                                                                                  | S11010                                                                                                                        | S11016                                                                                                                                                       |
| <b>MONENSIN</b>         | 2 µg/kg       | 0.64                                                                                                                       | N.D                                                                                                                                   | 0.13                                                                                                                                                | 0.33                                                                                                                 | 0.19                                                                                                                                              | 0.46                                                                                                                                                            | N.D                                                                                                                               | N.D                                                                                                                                                     | N.D                                                                                                                           | 0.46                                                                                                                                                         |
| <b>NARASIN</b>          | 2 µg/kg       | N.D                                                                                                                        | N.D                                                                                                                                   | Trace                                                                                                                                               | 1.53                                                                                                                 | Trace                                                                                                                                             | N.D                                                                                                                                                             | N.D                                                                                                                               | Trace                                                                                                                                                   | N.D                                                                                                                           | N.D                                                                                                                                                          |
| <b>NICARBAZIN</b>       | 2 µg/kg       | N.D                                                                                                                        | N.D                                                                                                                                   | N.D                                                                                                                                                 | N.D                                                                                                                  | N.D                                                                                                                                               | N.D                                                                                                                                                             | N.D                                                                                                                               | N.D                                                                                                                                                     | 0.36                                                                                                                          | N.D                                                                                                                                                          |
| <b>Annual Sales</b>     |               | \$ 11,000                                                                                                                  | \$ 5,985                                                                                                                              | \$ 8,762                                                                                                                                            | \$10,231                                                                                                             | \$ 8,287                                                                                                                                          | \$ 9,657                                                                                                                                                        | \$ 8,318                                                                                                                          | \$ 18,750                                                                                                                                               | \$ 12,800                                                                                                                     | \$ 40,518                                                                                                                                                    |
| (in millions)           |               |                                                                                                                            |                                                                                                                                       |                                                                                                                                                     |                                                                                                                      |                                                                                                                                                   |                                                                                                                                                                 |                                                                                                                                   |                                                                                                                                                         |                                                                                                                               |                                                                                                                                                              |

#### Notes:

N.D = Not Detected

Trace: Conc.< 0.1 µg/kg

µg/kg = microgram per kilogram and may also be expressed as parts per billion (ppb)

## Full List of Analytes and Limits of Quantitation

| Veterinary Residue Name            | Limit of Quantitation<br>µg/kg | Veterinary Residue Name | Limit of Quantitation<br>µg/kg |
|------------------------------------|--------------------------------|-------------------------|--------------------------------|
| 2-AMINO FLUBENDAZOLE               | 2                              | MONENSIN                | 2                              |
| 2-AMINOSULFONE ALBENDAZOLE         | 2                              | MORANTEL TITRATE        | 2                              |
| 2-QUINOXALINECARBOXYLIC ACID (QCA) | 2                              | NAFCILLIN               | 20                             |
| ACEPROMAZINE                       | 2                              | NARASIN                 | 2                              |
| ALBENDAZOLE                        | 2                              | NORFLOXACIN             | 2                              |
| AMOXICILLIN                        | 2                              | ORBIFLOXACIN            | 2                              |
| AMPICILLIN                         | 40                             | OXACILLIN               | 2                              |
| AMPROLIUM                          | 2                              | OXYPHENYLBUTAZONE       | 2                              |
| AZAPERONE                          | 2                              | OXYTETRACYCLINE         | 2                              |
| BUTORPHANOL                        | 2                              | PENICILLIN G            | 2                              |
| CARAZOLOL                          | 2                              | PHENYLBUTAZONE          | 2                              |
| CEFAZOLIN                          | 40                             | PIRLIMCYCIN             | 2                              |
| CEFTIOFUR                          | 2                              | PREDNISONE              | 2                              |
| CHLORAMPHENICOL                    | 2                              | PROMETHAZINE            | 2                              |
| CHLORPROMAZINE                     | 2                              | PROPIONYLPROMAZINE      | 2                              |
| CHLORTETRACYCLINE                  | 2                              | RACTOPAMINE             | 2                              |
| CIMATEROL                          | 2                              | RONIDAZOLE              | 2                              |
| CIPROFLOXACIN                      | 2                              | SALBUTAMOL              | 2                              |
| CLENBUTEROL                        | 2                              | SALINOMYCIN             | 2                              |
| CLINDAMYCIN                        | 2                              | SARAFLOXACIN            | 2                              |
| CLOPIDOL                           | 2                              | SULFACHLORPYRIDAZINE    | 2                              |
| CLOXACILLIN                        | 2                              | SULFADIAZINE            | 2                              |
| DESACETYL CEPHAPIRIN               | 2                              | SULFADIMETHOXINE        | 2                              |
| DESETHYLENE CIPROFLOXACIN          | 2                              | SULFADOXINE             | 2                              |
| DESFUROYLCEFTIOFUR (DCCD)          | 2                              | SULFAETHOXYPYRIDAZINE   | 2                              |
| DICLOFENAC                         | 2                              | SULFAMERAZINE           | 2                              |
| DICLOXACILLIN                      | 20                             | SULFAMETHAZINE          | 2                              |
| DIFLOXACIN                         | 2                              | SULFAMETHIZOLE          | 2                              |
| DIMETRIDAZOLE                      | 2                              | SULFAMETHOXAZOLE        | 2                              |
| DIPYRONE                           | 2                              | SULFAMETHOXYPYRIDAZINE  | 2                              |
| DOXYCYCLINE                        | 2                              | SULFANILAMIDE           | 10                             |
| ENROFLOXACIN                       | 2                              | SULFANITRAN             | 2                              |
| ERYTHROMYCIN A                     | 2                              | SULFAPYRIDINE           | 2                              |
| FENBENDAZOLE                       | 2                              | SULFAQUINOXALINE        | 2                              |
| FENBENDAZOLE SULPHONE              | 2                              | SULFATHIAZOLE           | 2                              |
| FLORFENICOL                        | 2                              | SULFISOXAZOLE           | 2                              |
| FLORFENICOL AMINE                  | 2                              | TETRACYCLINE            | 2                              |
| FLUBENDAZOLE                       | 2                              | THIABENDAZOLE           | 2                              |
| FLUNIXIN                           | 2                              | TILDIPIROSIN            | 20                             |

| Veterinary Residue Name | Limit of Quantitation<br>µg/kg | Veterinary Residue Name | Limit of Quantitation<br>µg/kg |
|-------------------------|--------------------------------|-------------------------|--------------------------------|
| GAMITHROMYCIN           | 2                              | TILMICOSIN              | 2                              |
| HALOPERIDOL             | 2                              | TOLFENAMIC ACID         | 2                              |
| HYDROXY DIMETRIDAZOLE   | 2                              | TRENBOLONE ACETATE      | 2                              |
| HYDROXY IPRONIDAZOLE    | 2                              | TRIFLUPROMAZINE         | 2                              |
| HYDROXYMETRONIDAZOLE    | 2                              | TULATHROMYCIN A         | 2                              |
| IPRONIDAZOLE            | 2                              | TYLOSIN                 | 2                              |
| KETAMINE                | 2                              | VIRGINIAMYCIN           | 2                              |
| KETOPROFEN              | 2                              | XYLAZINE                | 2                              |
| LEVAMISOLE              | 2                              | ZERANOL (B-ZEARALANOL)  | 2                              |
| LINCOMYCIN              | 2                              | ZILPATEROL              | 2                              |
| MELENGESTROL ACETATE    | 2                              | DANOFLOXIN MESYLATE     | 20                             |
| MELOXICAM               | 2                              | PENICILLIN V            | 20                             |
| METRONIDAZOLE           | 2                              | NICARBAZIN              | 2                              |

**Note:** Out of the 104 compounds analyzed, the following 12 compounds were not detectable or were detectable at reduced sensitivity. The following compounds have either extraction or solubility issues. It is the nature of multiresidue methods that they cannot be optimal for all compounds in all matrices.

|                                    |
|------------------------------------|
| 2-QUINOXALINECARBOXYLIC ACID (QCA) |
| AMPICILLIN                         |
| AMPROLIUM                          |
| CEFTIOFUR                          |
| DESACETYL CEPHAPIRIN               |
| DESFUROYLCEFTIOFUR (DCCD)          |
| DIPYRONE                           |
| FLORFENICOL AMINE                  |
| HYDROXYMETRONIDAZOLE               |
| NORFLOXACIN                        |
| OXYTETRACYCLINE                    |
| TULATHROMYCIN A                    |