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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB/T 20366-2006

**Method for the determination of quinolones in animal
tissues—LC-MS/MS method**

动物源产品中喹诺酮类残留量的测定

液相色谱-串联质谱法

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Quarantine of the People's Republic of China**

Standardization Administration of the People's Republic of China

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Foreword

Annex A of this Standard is informative annex.

This Standard is proposed by Shandong General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China

This Standard is under the jurisdiction of Shandong Entry-Exit Inspection and Quarantine Bureau of the People's Republic of China.

Chief drafters of this Standard: Lin Liming, Zhang Hongwei, Liang Zenghui, Wang Yan, and Meng Zhaohong.

Method for the determination of quinolones in animal tissues—LC-MS/MS method

1 Scope

This standard specifies determination method of liquid chromatogram - tandem mass spectrum for 11 kinds of quinolone residue liquid in animal original products.

This standard applies to the confirmation and quantitative determination of 11 kinds of quinolone residues in poultry, rabbit, fish, shrimp and other animal original products

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 6379 Precision of test methods; Determination of repeatability and reproducibility for a standard test method by interlaboratory tests

GB/T 6682 Water for analytical laboratory use - Specification and test methods (GB/T 6682-1992, neq ISO 3696: 1987)

3 Principle

Extract quinolone residues in the sample with formic acid-acetonitrile and purify extracting solution with n-hexane. It determines by liquid chromatogram - tandem mass spectrometer and fix amount with external standard method.

4 Reagents and materials

4.1 Water: Shall comply with the provisions of Class I water in GB / T 6682.

4.2 Toluene: Liquid chromatogram grade.

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