



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

GB 23200.34-2016

Replacing SN/T 2150-2008

**Food safety national standard -- Determination of 65 Pesticide
Residues in Foods by Liquid Chromatography-Mass
Spectrometry / Mass Spectrometry**

食品中涕灭砒威、吡唑醚菌酯、啞菌酯等65种农药残留量的测定 液相色谱-质谱
质谱法

(English Translation)

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13 Fluazuron Dipyrazone 506	
14 Flufenoxuron	
15 Flusulfamide	
16 Hexaflumuron Fluorocurane - 459.1	
17 Imazamethabenz-methyl Methyl oxalate 289.1	
18 Inabenfide Anti-Amide 339.0	
19 Iprodione Isozyme 330.0 244.9 * 0.1 25 15 15.46	

- 20 Lufenuron Fluoropropoxyurea - 509
- 21 Methoxyfenozide Methoxy Hydrazide 369.2
- 22 Novaluron Diphenylurea - 491.1
- 24 Pencycuron
- 25 Tebufenozide Hydrazine 353.3
- 26 Teflubenzuron Fluorobenzene - 378.9
- 27 Thiadinil Thiamidylamine - 266.1
- 28 Aldoxycarb
- 29 Azoxystrobin 404
- 30 Bensulide
- 31 Butoxydim Butoxy ketone 400.1
- 32 Carbofuran-3OH
- 33 Clethodim
- 34 Cyazofamid cyhalothiazole 325
- 35 Cycloxydim Thiadarin 326.1
- 36 Daimuron Kelasone 269.1
- 37 Dimethirimol Dimethanol 210.0
- 38 Fenothiocarb
- 39 Fenpyroximate
- 40 Ferimzone
- 41 Fluometuron Flunarone 233.1
- 42 Fluridone Flutidone 330.1
- 43 Furathiocarb
- 44 Imidacloprid 255.9
- 45 Isouron
- 46 Isoxaflutole isoxazolone 360.1
- 47 Methabenzthiazuron methyl benzene thiophene 222
- 48 Oxaziclomefone oxazinone 376
- 49 Phoxim 298.9
- 50 Piperonylbutoxide synergist ether 356.2
- 52 Pyrazolynate Pyrazole 438.9
- 53 Pyrazoxyfen Benzyl oxalate 403

Foreword

This standard is used in place of SN/T 2150-2008 "65 cases of pesticide residues in foods such as aldicarbazone, azoxystrobin and azoxystrobin Method liquid chromatography - mass spectrometry/mass spectrometry".

This standard and SN/T 2150-2008, the main changes are as follows.

- Standard text format is modified to national standard text format for food safety;
- the name of the "import and export food" to "food";
- increase the "other food reference implementation" in the standard range.

This standard replaced the previous version of the standard release.

SN/T 2150-2008.

National standards for food safety Food in the aldicarb sulfide, pyrazole bacteria, azoxystrobenzene and other 65 kinds of pesticide residues Determination of liquid chromatography - mass spectrometry/mass spectrometry

1 Scope

This standard specifies a method for the determination of 65 pesticide residues in food by liquid chromatography-mass spectrometry/mass spectrometry.

This standard applies to rice, brown rice, barley, wheat and corn in the aldicarb sulfide, azoxystrobin, to phosphorus, butanone, biphenyl hydrazine Ester, buprofezin, 3-hydroxy carbofuran, oxycarbazone, cyanamide, thiadenone, cyclopropionamide, fluoxetine, Hydrazide, thiamethoxam, diphenyllong, herbicillin, dimethoxyphenol, benzyl chlorotriazole alcohol, diflubenzuron, diuron, buprofeix, fipronil, Piclocarbazone, fenfluramide, fulvide, furazolidone,, fenvalerate, Anti-amide, antifungal, indoxacarb, imidacloprid, isoxazole, isoxazolone, fluoropropoxyurea, methylbenzene thiophene, benzazurone, methicillin Hydrazide, glyphosate, diphenyl fluorourea, oximazole, oxazinone, phoxim, synergistic ether, pyrazole mushroom, pyrazole, benzethoxazole, Ruthenium, thiabendazole,, thiophanate, pyruvate, thiophanate, thiophosphamide, thiophanate, Other food can refer to the implementation.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB 2763 National Standard for Food Safety - Maximum Residue Limit of Pesticides in Foodstuffs GB/T 6682 Analytical laboratory water specifications and test methods

3 Principle

The samples were extracted with water and then extracted with acetone. The extract was purified by liquid-liquid distribution and solid-phase extraction. The samples were purified by liquid chromatography-mass spectrometry Detection, external standard method quantitative.

4 Reagents and materials

Unless otherwise specified, all reagents are of analytical grade and water is in accordance with the primary water specified in GB/T 6682.

4.1 Reagents

4.1.1

Methanol (CH_3OH). High performance liquid chromatography grade.

4.1.2

acetonitrile (CH_3CN). high performance liquid chromatography grade.

4.1.3

Acetone ($\text{C}_3\text{H}_6\text{O}$). High performance liquid chromatography grade.

4.1.4

dichloromethane (CH_2Cl_2). high performance liquid chromatography grade.

4.1.5

Toluene (C_7H_8). High performance liquid chromatography grade.

4.1.6

Formic acid (HCOOH). High performance liquid chromatography grade.

4.1.7

Ammonium acetate ($\text{CH}_3\text{COONH}_4$).

4.1.8

Sodium chloride (NaCl).

4.1.9

anhydrous sodium sulfate (Na_2SO_4). 650 °C burning 4 h, placed in the dryer cooling standby.

4.1.10

filter aid. celite 545, or equivalent.