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世界中医药学会联合会

World Federation of Chinese Medicine Societies

SCM **-20**

中成药编码系统 第 1 部分：编码规则

Coding system for Chinese patent medicine—Part 1: Coding rules

世界中联国际组织标准

International Standard of WFCMS

20**-**-**发布实施

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前 言

中成药编码系统分为 3 部分：

- 第 1 部分：编码规则；
- 第 2 部分：传统剂型中成药编码；
- 第 3 部分：现代剂型中成药编码。

本文件为第 1 部分。

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引 言

中成药作为中药的重要组成部分，生产中成药的厂家数量多，品种和规格繁多，拥有 8000 多个品种，100 多个剂型。由于中成药编码系统缺失，导致信息化、标准化、规范化滞后，各生产厂家及销售部门、市场监管的中成药信息相互缺失，无法对接，互联互通，使得生产、经营、教学、科研、临床之间难以融合和渗透，各个环节的管理无法有序衔接，从而在一定程度上阻碍着中医药事业的发展。目前，中药材、中药饮片、中药方剂都有了国际编码，因此，制定中成药的编码系统意义重大。

本文件是中医药国际化、信息化的重要组成部分，对中成药进行数字化分类编码，实现中成药“一个成方、一个名称、一个编码”，对每个中成药进行数字化编码，配备一个“身份证”，避免出处不同、组方不同、制造商不同，导致同一种中成药有不同的名称，或者不同的中成药出现同样的名称的混乱情况，便于计算机识读，适应当下的互联网+中医药贸易时代，实现信息的互联互通，服务于全球人类健康。

本文件与 ISO 18668-1 中医药—中药编码系统第 1 部分:中药编码规则、ISO 18668-2 中医药—中药饮片的编码、ISO18668-3 中医药——中药材的编码中的编码与表示等标准相衔接。

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中成药编码系统——第1部分：编码规则

1 范围

本文件规定了中成药的分类与代码结构。

本文件适用于在中成药的研制、生产、经营、使用和监督管理中由计算机使用的表示特定信息的编码标识，以及中药处方、电子处方、电子病历、中医病历等工作的信息处理、信息交换与互联互通。

2 规范性引用文件

下列文件中的内容通过文中的规范性引用而构成本文件必不可少的条款。其中，注日期的引用文件，仅该日期对应的版本适用于本文件；不注日期的引用文件，其最新版本(包括所有的修改单)适用于本文件。

ISO/IEC 15420 信息技术 自动识别和数据采集技术 条形码符号规范

ISO 18668-1 中药编码系统——第一部分：中药编码规则

ISO/TS 23303:2020 健康信息学. 中药产品制造过程的分类结构

3 术语和定义

下列术语和定义适用于本文件。

3.1

中成药

根据中医药理论指导，使用中药制作的药品类别，依照处方规定和加工方法。

注1：中成药用于临床治疗或预防健康问题。

[来源：ISO/TS 23303:2020, 3.2.25]

3.2

层

代码内的一段字符，即编码中的子字段。

4 编码原则

4.1 唯一性

每一个品种的中成药只对应一个编码作为唯一的识别码。

4.2 可扩展性

留有足够的扩展空间，可根据实际情况对分类进行类目扩充。

4.3 稳定性

中成药代码一旦分配，只要基本属性没有发生变化，就保持不变。

5 中成药编码规则

5.1 编码结构

中成药代码分为9层15位纯数字定长结构，各代码代表含义见图1。

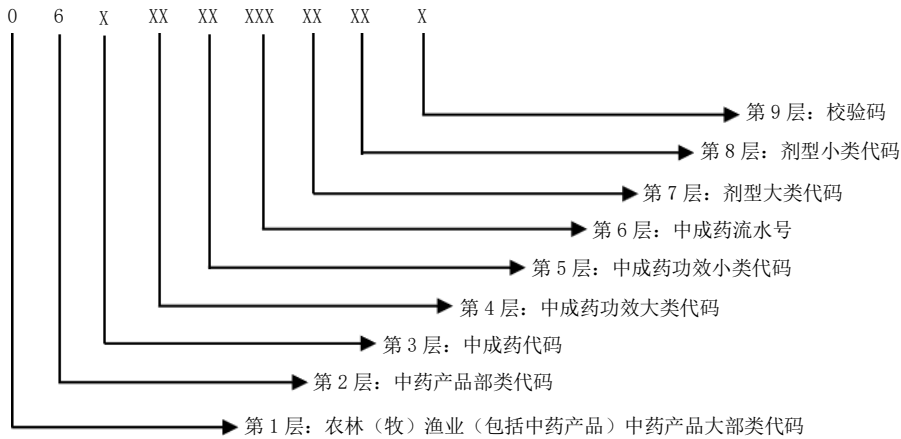


图1 中成药编码结构

5.2 中成药代码分层说明

中成药编码结构分层说明见表1。

表1 中成药编码结构分层说明

层数	代码名称	代码位数	代码取值	注
第1层	农林（牧）渔业中药产品大部类代码	1位	固定值“0”，参见 ISO 18668-1。	
第2层	中药产品部类代码	1位	固定值“6”，参见 ISO 18668-1。	
第3层	中成药代码	1位	取值范围为8~9，代表中成药。“8”代表传统剂型中成药，“9”代表现代剂型中成药。	
第4层	中成药功效大类代码	2位	取值范围为01~99。按照中成药的主要功效进行编码。	见表 A.1
第5层	中成药功效小类代码	2位	取值范围为01~99。按照中成药的主要功效进行编码。	见表 A.1
第6层	中成药流水号	3位	取值范围为001~999。同一基本方的中成药流水号相同，相同功效不同基本方进行编号。	
第7层	剂型大类代码	2位	取值范围为01~99。	见表 A.2 及表 A.3
第8层	剂型小类代码	2位	取值范围为01~99。	见表 A.2 及表 A.3
第9层	校验码	1位	取值范围为0~9。采用 ISO/IEC 15420 中校验码的计算方法。	见附录 B

示例：

银翘解毒丸（传统剂型中成药）的编码为：068 0102 017 0101 3。

银翘解毒胶囊（现代剂型中成药）的编码为：069 0102 017 1201 8。

其中：1）第1层第1位代码0代表农林（牧）渔业中药产品大部类代码；

2）第2层第2位代码6代表中药产品部类代码；

3）第3层第3位代码8代表传统剂型中成药，9代表现代剂型中成药；

4）第4、5层第4~7位代码0102代表解表剂辛凉解表类；

5）第6层第8~10层代码017代表解表剂辛凉解表类的第17个中成药；

- 6) 第 7、8 层第 11~14 位代码 0101 代表丸剂中的蜜丸，1201 代表胶囊；
- 7) 第 9 层第 15 位代表校验码。

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附录 A
(规范性)

中成药编码结构第 4 至第 8 层代码一览表

中成药功效属性分类类目代码见表 A. 1。

表 A. 1 中成药功效属性分类类目代码表

功效大类	代码(第 4 层)	功效小类	代码(第 5 层)
解表剂	01	辛温解表	01
		辛凉解表	02
		解表胜湿	03
		表里双解	04
		扶正解表	05
泻下剂	02	攻下	01
		润下	02
		峻下逐水	03
		攻补兼施	04
清热剂	03	清热泻火	01
		清营凉血	02
		清热解毒	03
		清脏腑热	04
祛暑剂	04	清热祛暑	01
		利湿祛暑	02
		解表祛暑	03
祛风剂	05	疏散外风	01
		平肝熄风	02
		化痰熄风	03
祛湿剂	06	清热利湿	01
		清肝利胆	02
		利湿通淋	03
		祛湿止泻	04
		温化水湿	05
		化浊降脂	06
祛风湿剂	07	祛风除湿	01

表 A.1 中成药功效属性分类类目代码表（续）

功效大类	代码（第4层）	功效小类	代码（第5层）
化痰、止咳、平喘剂	08	温化痰饮止咳	01
		清热化痰止咳	02
		润肺化痰止咳	03
		补肺化痰止咳	04
		宣肺止咳	05
		平喘镇咳	06
消导剂	09	消食导滞	01
		健胃消食	02
温里剂	10	温中散寒	01
		暖肝散寒	02
		回阳救逆	03
理气剂	11	理气疏肝	01
		理气和中	02
祛瘀剂	12	活血化瘀	01
		行气活血	02
		扶正祛瘀	03
		化痰祛瘀	04
止血剂	13	止血	01
补益剂	14	益气	01
		助阳	02
		养血	03
		滋阴	04
		气血双补	05
		益气养阴	06
		阴阳双补	07
安神剂	15	重镇安神	01
		清热安神	02
		补养安神	03
开窍剂	16	凉开	01
		温开	02
固涩剂	17	固表止汗	01
		固肠止泻	02
		固精缩尿	03
外科用药	21	解毒消肿	01
		生肌敛疮	02
		清肠消痔	03
		消核散结	04

表 A.1 中成药功效属性分类类目代码表（续）

功效大类	代码（第4层）	功效小类	代码（第5层）
皮肤科用药	31	调治皮肤	01
骨伤科用药	41	疗伤止痛	01
		接骨续筋	02
		通络止痛	03
		补肾壮骨	04
妇科用药	51	调经类	01
		止带类	02
		安胎保产类	03
		产后康复类	04
		疗杂病类	05
眼科用药	61	清热类	01
		扶正类	02
		祛瘀类	03
耳鼻喉、口腔科用药	71	疗耳病类	01
		疗鼻病类	02
		疗咽喉病	03
		疗口腔病	04
抗肿瘤用药	81	消癥散结类	01
		扶正抗癌类	02
民族药	91	藏药	01
		蒙药	02
		维药	03
		傣药	04

中成药传统剂型代码见表 A.2。

表 A.2 中成药传统剂型代码

剂型大类	代码（第7层）	剂型小类	代码（第8层）
丸剂	01	蜜丸	01
		水丸	02
		水蜜丸	03
		蜜丸或水丸	04
		蜜丸或水蜜丸	05
		蜜丸、水丸或水蜜丸	06
		糊丸	07
		蜡丸	08

表 A.2 中成药传统剂型代码（续）

剂型大类	代码（第7层）	剂型小类	代码（第8层）
散剂	02	散剂	01
锭剂	03	锭剂	01
煎膏剂（膏滋）	04	煎膏剂（膏滋）	01
胶剂	05	胶剂	01
酒剂	06	酒剂	01
膏药	07	膏药	01
露剂	08	露剂	01
茶剂	09	块状茶剂	01
		袋装茶剂	02
		煎煮茶剂	03
其他传统剂型	99	其他传统剂型	01

中成药现代剂型代码见表 A.3。

表 A.3 中成药现代剂型代码

剂型大类	代码（第7层）	剂型小类	代码（第8层）
丸剂	01	浓缩丸	09
		滴丸	10
片剂	10	口服普通片	01
		含片	02
		舌下片	03
		口腔贴片	04
		咀嚼片	05
		分散片	06
		可溶片	07
		泡腾片	08
		阴道片与阴道泡腾片	09
		缓释片	10
		控释片	11
		肠溶片	12
		口崩片	13
注射剂	11	注射液	01
		注射用无菌粉末	02
		注射用浓溶液	03

表 A.3 中成药现代剂型代码（续）

剂型大类	代码（第7层）	剂型小类	代码（第8层）
胶囊剂	12	硬胶囊	01
		软胶囊	02
颗粒剂	13	颗粒剂	01
眼用制剂	14	眼用液体制剂（滴眼剂、洗眼剂、眼内注射溶液等）	01
		眼用半固体制剂（眼膏剂、眼用乳膏剂、眼用凝胶剂等）	02
		眼用固体制剂（眼膜剂、眼丸剂、眼内插入剂等）	03
鼻用制剂	15	鼻用液体制剂（滴鼻剂、洗鼻剂、喷雾剂等）	01
		鼻用半固体制剂（鼻用软膏剂、鼻用乳膏剂、鼻用凝胶剂等）	02
		鼻用固体制剂（鼻用散剂、鼻用粉雾剂和鼻用棒剂等）	03
栓剂	16	直肠栓	01
		阴道栓	02
		尿道栓	03
软膏剂、乳膏剂	17	软膏剂	01
		乳膏剂	02
糊剂	18	糊剂	01
吸入制剂	19	吸入制剂	01
喷雾剂	20	喷雾剂	01
气雾剂	21	气雾剂	01
凝胶剂	22	凝胶剂	01
糖浆剂	23	糖浆剂	01
搽剂	24	搽剂	01
涂剂	25	涂剂	01
涂膜剂	26	涂膜剂	01
酊剂	27	酊剂	01
贴剂	28	贴剂	01

表 A.3 中成药现代剂型代码（续）

剂型大类	代码（第7层）	剂型小类	代码（第8层）
贴膏剂	29	凝胶贴膏	01
		橡胶贴膏	02
口服溶液剂、口服混悬剂、口服乳剂	30	口服溶液剂	01
		口服混悬剂	02
		口服乳剂	03
植入剂	31	植入剂	01
膜剂	32	膜剂	01
耳用制剂	33	耳用液体制剂（滴耳剂、洗耳剂、耳用喷雾剂等）	01
		耳用半固体制剂（耳用软膏剂、耳用乳膏剂、耳用凝胶剂、耳塞等）	02
		耳用固体制剂（耳用散剂、耳用丸剂等）	03
洗剂	34	洗剂	01
冲洗剂	35	冲洗剂	01
灌肠剂	36	灌肠剂	01
合剂（口服液）	37	合剂（口服液）	01
流浸膏剂与浸膏剂	38	流浸膏剂	01
		浸膏剂	02
其他现代剂型	99	其他现代剂型	02

附录 B
(规范性)
校验码计算

B.1 计算依据

校验码按 ISO/IEC 15420 校验码计算方法规定。

B.2 代码位置序号

代码位置序号是指包括校验码在内的，由右至左的顺序号（校验码的代码位置序号为 1）。

B.3 计算步骤

校验码的计算步骤如下：

- a) 从代码位置序号 2 开始，所有偶数位的数字代码求和；
- b) 将步骤 a 的和乘以 3；
- c) 从代码位置序号 3 开始，所有奇数位的数字代码求和；
- d) 将步骤 b 与步骤 c 的结果相加；
- e) 用大于或等于步骤 d 所得结果且为 10 最小整数倍的数减去步骤 d 所得结果，其差即为所求校验码的值。

示例：

银翘解毒丸代码为 068010201701013，校验码的计算见表 B.1。

表 B.1 校验码计算示例

步骤	举例说明																																
1.自右向左顺序编号	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">位置序号</td> <td style="text-align: center;">15</td> <td style="text-align: center;">14</td> <td style="text-align: center;">13</td> <td style="text-align: center;">12</td> <td style="text-align: center;">11</td> <td style="text-align: center;">10</td> <td style="text-align: center;">9</td> <td style="text-align: center;">8</td> <td style="text-align: center;">7</td> <td style="text-align: center;">6</td> <td style="text-align: center;">5</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> </tr> <tr> <td style="text-align: center;">代码</td> <td style="text-align: center;">0</td> <td style="text-align: center;">6</td> <td style="text-align: center;">8</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">7</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">X</td> </tr> </table>	位置序号	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	代码	0	6	8	0	1	0	2	0	1	7	0	1	0	1	X
位置序号	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1																		
代码	0	6	8	0	1	0	2	0	1	7	0	1	0	1	X																		
2.从序号 2 开始求出偶数位上数字之和①	$1+1+7+0+0+0+6=15$ ①																																
3.①*3=②	$15 \times 3=45$ ②																																
4.从序号 3 开始求出奇数位上数字之和③	$0+0+1+2+1+8+0=12$ ③																																
5.②+③=④	$45+12=57$ ④																																
6.用大于或等于结果④且为 10 最小整数倍的数减去④，其差即为所求校验码的值	$60-57=3$ 校验码 X=3																																

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WVFCM

Foreword

The coding system for Chinese patent medicine is divided into three parts:

- Part 1: Coding rules
- Part 2: Codes for traditional dosage form of Chinese patent medicine
- Part 3: Codes for modern dosage form of Chinese patent medicine

This document is Part 1.

This document is developed for the first time.

This document did not involve patents during the preparation process. If certain content may involve patents, the publishing institution of this document does not assume the responsibility of identifying patents.

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Introduction

As an important part of traditional Chinese medicine, traditional Chinese patent medicine and simple preparations has many manufacturers producing traditional Chinese patent medicine and simple preparations with various varieties and specifications. There are more than 8000 varieties and more than 100 dosage forms. Due to the lack of traditional Chinese patent medicine and simple preparations coding system, information, standardization and standardization lag. The information of traditional Chinese patent medicine and simple preparations from manufacturers, sales departments and market supervision is missing, unable to connect, and interconnected, which makes it difficult to integrate and infiltrate production, operation, teaching, scientific research, clinical management and other links in an orderly manner, thus hindering the development of Chinese medicine to a certain extent. At present, Chinese medicinal materials, Chinese herbal pieces and Chinese herbal prescriptions have international codes. Therefore, it is imperative to develop the coding system for Chinese patent medicine.

The coding system for Chinese patent medicine digitally classifies and codes traditional Chinese patent medicine and simple preparations to achieve "one prescription, one name, one code" for Chinese patent medicine. Each Chinese patent medicine is digitally coded and equipped with an "ID card" to avoid different origins, groups, and manufacturers, leading to different names for the same Chinese patent medicine or confusion of the same name for different Chinese patent medicine, which is convenient for computer reading, adapting to the current era of Internet plus Chinese medicine trade, and realizing information interconnection. The traditional Chinese patent medicine and simple preparations coding system is an important component of the international standardization and informatization of traditional Chinese medicine, and will certainly promote the international standardization of traditional Chinese medicine to better serve the implementation of the "the Belt and Road" national strategy, the construction of a healthy China and global human health.

This document is in line with standards such as ISO 18668-1:2016 *Traditional Chinese medicine — Coding system for Chinese medicines — Part 1: Coding rules for Chinese medicines*, ISO 18668-2 *Traditional Chinese medicine — Coding system for Chinese medicines — Part 2: Codes for decoction pieces*, ISO 18668-3 *Traditional Chinese medicine — Coding system for Chinese medicines — Part 3: Codes for Chinese Materia Medica*.

Coding System for Chinese patent medicine

—Part 1: Coding Rules

1 Scope

This document specifies rules to encode Chinese patent medicine (CPM). This document is suitable for Chinese patent medicine (CPM) in the fields of clinical medication, scientific research and teaching, electronic medical records and prescription of traditional Chinese medicine (TCM).

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 15420, *Information technology — Automatic identification and data capture techniques — EAN/UPC bar code symbology specification*

ISO 18668-1, *Traditional Chinese medicine — Coding system for Chinese medicines — Part 1: Coding rules for Chinese medicines*

ISO/TS 23303:2020, *Health informatics — Categorical structure for Chinese materia medica products manufacturing process*

3 Terms and definitions

3.1

Chinese patent medicine

Chinese patent drug

CPM

class of drugs made from raw material under the guidance of Chinese medicine theory, according to the provisions of the prescription and methods of processing
Note 1 to entry: Chinese patent drugs are used for clinical treatment or prevention of adverse health problems.

[SOURCE: ISO/TS 23303:2020, 3.2.25, modified]

3.2

layer

set of the characters within the code, namely, a sub-field within the code.

4 Coding principles

4.1 Uniqueness

Each Chinese patent medicine corresponds to a unique code.

4.2 Scalability

The coding rules allow sufficient space for expansion.

4.3 Stability

The code for each Chinese patent medicine remains unchanged once assigned, as long as the basic characteristic of the Chinese patent medicine does not change. Even if some Chinese patent medicine are discontinued for use, their codes should still be kept.

5 Coding technology

5.1 Structure

Coding rules are represented by 9 layers with 15 digit Arabic numerals in order, as shown in Figure 1.

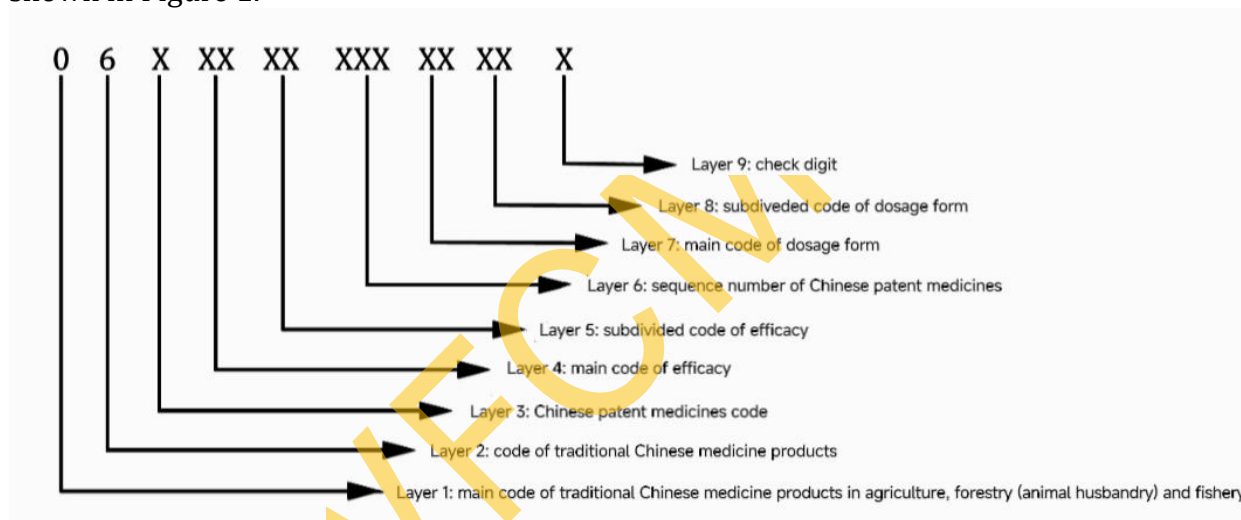


Figure 1 Coding structure of Chinese patent medicine

5.2 Detailed description

Detailed descriptions of coding structure of Chinese patent medicine are shown as follows:

Table 1 Detailed description of coding structure of Chinese patent medicine

Layer No.	Classification	Digit No.	Code value	Note
Layer 1	Main code of traditional Chinese medicine products in agriculture, forestry (animal husbandry) and fishery	1 digit	Symbolized by 0. See ISO 18668-1 for details.	
Layer 2	Code of traditional Chinese medicine products	1 digit	Symbolized by 6. See ISO 18668-1 for details.	
Layer 3	Chinese patent medicine code	1 digit	Ranged from 8 to 9, representing Chinese patent medicine. "8" refers to traditional dosage form of Chinese patent medicine and "9" refers to modern dosage form of Chinese patent medicine.	
Layer 4	Main code of efficacy	2 digits	Ranged from 01 to 99, encoded according to the classification of most frequently-used efficacy.	See Table A.1
Layer 5	Subdivided code of efficacy	2 digits	Ranged from 01 to 99, is a secondary classification under the main code of action.	See Table A.1
Layer 6	Sequence number of Chinese patent medicine	3 digits	Ranged from 001 to 999. It is the order number of the CPM located in the code table. CPM with same composition and efficacy are of same Layer 6 code.	
Layer 7	Main code of dosage form	2 digits	Ranged from 01 to 99.	See Table A.2 and Table A.3
Layer 8	Subdivided code of dosage form	2 digits	Ranged from 01 to 99.	See Table A.2 and Table A.3
Layer 9	Check digit	1 digit	Ranged from 1 to 9, is calculated by the method in ISO/IEC 15420.	See Annex B

Example:

Yinqiao Jiedu wan (银翘解毒丸) (traditional dosage form of Chinese patent medicine) is encoded as "068 0102 017 0101 3";

Yinqiao Jiedu Jiaonang (银翘解毒胶囊) (modern dosage form of Chinese patent medicine) is encoded as "069 0102 017 1201 8":

- 1) The first number "0" in layer 1 represents main code of traditional Chinese medicine products in agriculture, forestry (animal husbandry) and fishery;
- 2) The second number "6" in layer 2 represents code of traditional Chinese medicine products;
- 3) The third number "8" in layer 3 represents traditional dosage form of Chinese patent

- medicine, and "9" represents modern dosage form of Chinese patent medicine;
- 4) the 4th to 7th numbers "0102" in layer 4 and layer 5 represent pungent-cool exterior-releasing CPM;
 - 5) the 8th to 10th numbers "017" in layer 6 represent the seventeenth serial number in "Pungent-cool exterior-releasing CPM" category;
 - 6) the 11th to 14th numbers in layer 7 and layer 8, "0101" represent honeyed pills, while "1201" represent capsules.
 - 7) The last number represents check digit.

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Annex A
(normative)
Code table of layer 4 to layer 8

Classification codes of efficacy are presented in Table A.1.

Table A.1 — Classification code of efficacy

Main code of efficacy	Code (Layer 4)	Subdivided code of efficacy	Code (Layer 5)
Exterior-releasing CPM	01	Pungent-warm exterior-releasing CPM	01
		Pungent-cool exterior-releasing CPM	02
		Dampness-overcoming exterior-releasing CPM	03
		Exterior-interior-releasing CPM	04
		Healthy-qi-reinforcing and exterior-releasing CPM	05
Purgative CPM	02	Purgative CPM	01
		Lubricant laxative CPM	02
		Water-expelling CPM	03
		Purgative and reinforcing CPM	04
Heat-clearing CPM	03	Qi-aspect-clearing CPM	01
		Nutrient-aspect-clearing and blood-cooling CPM	02
		Heat-clearing and detoxicating CPM	03
		Bowel and visceral heat-clearing CPM	04
Summerheat-dispelling CPM	04	Summerheat-dispelling and heat-clearing CPM	01
		Summerheat-dispelling and dampness-draining CPM	02
		Exterior-releasing and Summerheat-dispelling CPM	03
Wind-relieving CPM	05	External wind coursing and dissipating CPM	01
		Liver-pacifying and wind-extinguishing CPM	02
		Phlegm-transforming and wind extinguishing CPM	03

Table A.1 Classification code of efficacy (Continued)

Main code of efficacy	Code (Layer 4)	Subdivided code of efficacy	Code (Layer 5)
Dampness-dispelling CPM	06	Heat-clearing and dampness-dispelling CPM	01
		Liver-clearing and bile-draining CPM	02
		Strangury-relieving diuretic CPM	03
		Dampness-dispelling and diarrhea-checking CPM	04
		Cold dampness warming and transforming CPM	05
		Turbidity-resolving and lipid-reducing CPM	06
Wind-dampness-dispelling CPM	07	Wind-dispelling and dampness-removing CPM	01
Phlegm-transforming, cough-suppressing and panting-calming CPM	08	Cold phlegm warming and transforming and cough-suppressing CPM	01
		Heat-clearing, phlegm-transforming and cough-suppressing CPM	02
		Lung-moistening, phlegm-transforming and cough-suppressing CPM	03
		Lung-tonifying, phlegm-transforming and cough-suppressing CPM	04
		Lung-dispersing cough-suppressing CPM	05
		Cough-arrest panting-calming CPM	06
Digestive CPM	09	Food-dispersing and stagnation-transforming CPM	01
		Spleen-fortifying and food-dispersing CPM	02
Interior-warming CPM	10	Middle-warming and cold-dispelling CPM	01
		Liver-warming and cold-dissipating CPM	02
		Yang-returning and counterflow-stemming CPM	03

Table A.1 Classification code of efficacy (Continued)

Main code of efficacy	Code (Layer 4)	Subdivided code of efficacy	Code (Layer 5)
Qi-regulating CPM	11	Qi-regulating and liver-soothing CPM	01
		Qi-regulating and middle-harmonizing CPM	02
Stasis-removing CPM	12	Blood-activating stasis-removing CPM	01
		Qi-circulating and Blood-activating CPM	02
		Healthy-qi-reinforcing stasis-removing CPM	03
		Phlegm-transforming stasis-removing CPM	04
Blood-stanching CPM	13	Blood-stanching CPM	01
Tonifying and replenishing CPM	14	Qi-tonifying CPM	01
		Yang-tonifying CPM	02
		Blood-tonifying CPM	03
		Yin-tonifying CPM	04
		Qi-blood-tonifying CPM	05
		Qi-yin-tonifying CPM	06
		Yin-yang-tonifying CPM	07
Tranquillizing CPM	15	Heavy settling spirit-quieting CPM	01
		Heat-clearing spirit-quieting CPM	02
		Tonifying spirit-quieting CPM	03
Resuscitative CPM	16	Cool opening CPM	01
		Warm opening CPM	02
Securing and astringent CPM	17	Exterior-securing anhidrotic CPM	01
		Intestines-astringing CPM	02
		Essence-securing and urination-reducing CPM	03
CPM for External Medicine of TCM	21	Detoxifying and swelling-dispersing CPM	01
		Tissue-regeneration-promoting and wound-healing CPM	02
		Intestines-clearing and hemorrhoid-resolving CPM	03
		Nodule and binds dissipating CPM	04

Table A.1 Classification code of efficacy (Continued)

Main code of efficacy	Code (Layer 4)	Subdivided code of efficacy	Code (Layer 5)
CPM for Dermatology	31	Skin disease-treating CPM	01
CPM for TCM Orthopedics and Traumatology	41	Trauma-curing analgesic CPM	01
		Sinew and bone mending CPM	02
		Collateral-freeing analgesic CPM	03
		Kidney-tonifying and bone-invigorating CPM	04
CPM for TCM Gynecology	51	Menstruation-regulating CPM	01
		Leukorrhagia-stopping CPM	02
		Abortion-preventing CPM	03
		Postpartum rehabilitation CPM	04
		Miscellaneous diseases-treating CPM	05
CPM for TCM Ophthalmology	61	Heat-clearing vision-improving CPM	01
		Healthy-qi-reinforcing vision-improving CPM	02
		Stasis-removing vision-improving CPM	03
CPM for TCM Otolaryngology, Rhinology, Pharynx and Laryngology, and Stomatology	71	Ear disease-treating CPM	01
		Nasal disease-treating CPM	02
		Throat disease-treating CPM	03
		Oral disease-treating CPM	04
CPM for Antitumor	81	Mass-eliminating CPM	01
		Healthy-qi-reinforcing and tumor-resisting CPM	02
Ethnic CPM	91	Tibetan CPM	01
		Mongolian CPM	02
		Uygur CPM	03
		Dai CPM	04

Classification codes of traditional dosage form are presented in Table A.2.

Table A.2 — Classification code of traditional dosage form

Main code of dosage form	Code (Layer 7)	Subdivided code of dosage form	Code (Layer 8)
Pills	01	Honeyed pills	01
		Watered pills	02
		Water-honeyed pills	03
		Honeyed pills or watered pills	04
		Honeyed pills or water-honeyed pill	05
		Honeyed pills, watered pills or water-honeyed pills	06
		Pasted pills	07
		Waxed pills	08
Powders	02	Powders	01
Troches	03	Troches	01
Concentrated decoctions	04	Concentrated decoctions	01
Glues	05	Glues	01
Medicinal wines	06	Medicinal wines	01
Plasters	07	Plasters	01
Medicinal distillates	08	Medicinal distillates	01
Medicinal teas	09	Medicinal tea lumps	01
		Medicinal bag-packed teas	02
		Medicinal teas for decoction	03
Other traditional dosage forms	99	Other traditional dosage forms	01

Classification codes of modern dosage form are presented in Table A.3.

Table A.3 — Classification code of modern dosage forms

Main code of dosage form	Code (Layer 7)	Subdivided code of dosage form	Code (Layer 8)
Pills	01	Concentrated pills	09
		Dropping pills	10
Tablets	10	Ordinary tablets for oral administration	01
		Buccal tablets	02
		Sublingual tablets	03
		Oral plastering tablets	04
		Chewable tablets	05
		Dispersible tablets	06
		Soluble tablets	07
		Effervescent tablets	08
		Vaginal and vaginal effervescent tablets	09
		Sustained release tablets	10
		Controlled release tablet	11
		Enteric-coated tablets	12
Orally disintegrating tablets	13		
Injections	11	Liquids for injection	01
		Sterilized powder for injection	02
		Concentrated solutions for injection	03
Capsules	12	Hard capsules	01
		Soft capsules	02
Granules	13	Granules	01
Ophthalmic preparations	14	Ophthalmic liquid preparations (ophthalmic drops, ophthalmic washes, intraocular injections, etc.)	01
		Ophthalmic semi-solid preparations (ophthalmic ointments, ophthalmic creams, ophthalmic gels, etc.)	02
		Solid ophthalmic preparations (ophthalmic masks, ophthalmic pills, intraocular inserts, etc.)	03

Table A.3 — Classification code of modern dosage forms (Continued)

Main code of dosage form	Code (Layer 7)	Subdivided code of dosage form	Code (Layer 8)
Nasal preparations	15	Liquid nasal preparations (nasal drops, nasal washes, nasal sprays, etc.)	01
		Semisolid nasal preparations (nasal ointments, nasal creams, nasal gels, etc.)	02
		Solid nasal preparations (nasal powder, nasal powder mist and nasal rod, etc.)	03
Suppositories	16	Rectal suppositories	01
		Vaginal suppositories	02
		Urethral suppositories	03
Ointments and creams	17	Ointments	01
		Creams	02
Pastes	18	Pastes	01
Inhalation preparations	19	Inhalation preparations	01
Sprays	20	Sprays	01
Aerosols	21	Aerosols	01
Gels	22	Gels	01
Syrups	23	Syrups	01
Liniments	24	Liniments	01
Coatings	25	Coatings	01
Smearred films	26	Smearred films	01
Tinctures	27	Tinctures	01
Sticking plasters	28	Sticking plasters	01
Cataplasms	29	Hydrogel plasters	01
		Adhesive plasters	02
Oral solutions, oral suspensions, oral emulsions	30	Oral solutions	01
		Oral suspensions	02
		Oral emulsions	03
Implants	31	Implants	01
Films	32	Films	01
Ear preparations	33	Ear liquid preparations (ear drops, ear lotions, ear sprays, etc.)	01
		Semi-solid preparations for ear (ointments, creams, gels, earplugs, etc.)	02
		Solid preparation for ear (powders, pills, etc.)	03

Table A.3 — Classification code of modern dosage forms (Continued)

Main code of dosage form	Code (Layer 7)	Subdivided code of dosage form	Code (Layer 8)
Lotions	34	Lotions	01
Rinsing CPM	35	Rinsing CPM	01
Enemas	36	Enemas	01
Mixture	37	Mixture	01
Liquid extracts and extracts	38	Liquid extracts	01
		Extracts	02
Other modern dosage forms	99	Other modern dosage forms	02

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Annex B
(normative)
Calculation of check digit

B.1 Basis of calculation

The check digit is calculated by the method in ISO/IEC 15420.

B.2 Serial number of code location

It indicates the serial number of the 16 digits from the right to the left, among which the check digit is specified as 1.

B.3 Calculation Steps

Calculation steps are shown as follows.

- a) Sum up the digits located below even serial numbers from serial number 2, to get *Result 1*.
- b) Multiply *Result 1* by 3 to get *Result 2*.
- c) Sum up the digits located below odd serial numbers from serial number 3, to get *Result 3*.
- d) Sum up *Result 2* and *Result 3* to get *Result 4*.
- e) Subtract *Result 4* by a number which is larger or equal to *Result 4*, and be the smallest multiple of 10, to get the digit of check digit.

For example, the calculation of code 068 0102 017 0101 3 is demonstrated as follows.

Table B.1 Calculation of check digit Steps

		Demonstration																
Number from the right to the left		Serial number	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	15
		Code	0	6	8	0	1	0	2	0	1	7	0	1	0	1	X	0
a) Sum up the digits located below even serial numbers from serial number 2, to get <i>Result 1</i> .		1+1+7+0+0+0+6=15 (<i>Result 1</i>)																
b) Multiply <i>Result 1</i> by 3 to get <i>Result 2</i> .		15×3=45 (<i>Result 2</i>)																
c) Sum up the digits located below odd serial numbers from serial number 3, to get <i>Result 3</i> .		0+0+1+2+1+8+0=12 (<i>Result 3</i>)																
d) Sum up <i>Result 2</i> and <i>Result 3</i> to get <i>Result 4</i> .		45+12=57 (<i>Result 4</i>)																
e) Subtract <i>Result 4</i> by a number which is larger or equal to <i>Result 4</i> , and also be the smallest multiple of 10, to get the digit of check digit.		60-57=3 check digit X=3																

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