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NATIONAL STANDARD OF THE
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GB/T 29473-2020

Replacing GB/T 29473-2012

Classification, Code and Marking of Mobile Laboratory

移动实验室分类、代号及标记

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**Standardization Administration of the People's Republic of
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Foreword

This Standard was drafted in accordance with the rules in GB/T 1.1-2009.

This Standard serves as a replacement of GB/T 29473-2012 *Classification, Code and Marking of Mobile Laboratory*. In comparison with GB/T 29473-2012, the main technical changes are as follows:

- The definition of “shelter” in “Chapter 3 Terms and Definitions” is modified (see Chapter 3; Chapter 3 of Version 2012);
- “environmental characteristics classification code” and “data processing requirements classification code” are added (see 5.1.1);
- “sub-divided discipline code” is added (see 5.1.2);
- “environmental characteristics classification code of mobile laboratory” is added (see 5.1.5);
- “data processing requirements classification code of mobile laboratory” is added (see 5.1.6);
- “example of code of mobile laboratory” is modified (see 5.2; 5.2 of Version 2012);
- “hoisting mark of mobile laboratory” is modified (see 5.3.1; 5.3.1 of Version 2012);
- In “plate of mobile laboratory”, “curb weight” is deleted and “certification mark” is added (see 5.3.2; 5.3.2 of Version 2012).

This Standard was proposed by and shall be under the jurisdiction of National Technical Committee 509 on Mobile Laboratory of Standardization Administration of China (SAC/TC 509).

The drafting organizations of this Standard: Chongqing Jinguan Auto Co., Ltd.; Hangzhou EXPEC Technology Co., Ltd.; Shenyang New Energy Automobile Industry Association.

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The issuing of the previous version:

- GB/T 29473-2012.

Classification, Code and Marking of Mobile Laboratory

1 Scope

This Standard specifies the terms and definitions, classification and naming, code and marking of mobile laboratory.

This Standard is applicable to mobile laboratories used on land.

2 Normative References

The following documents are indispensable to the application of this document. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB/T 191 Packaging - Pictorial Markings for Handling of Goods

GB/T 13306 Plate

GB/T 29479-2012 General Requirements of Mobile Laboratory

3 Terms and Definitions

What is defined in GB/T 29479-2012 and the following terms and definitions are applicable to this document.

3.1 Self-propelled

Self-propelled refers to a mode of moving along tracked or trackless channels with its own power and by relying on its own operating mechanism.

3.2 Trailer

Trailer refers to a mode of relying on other power for traction and movement, and with a travelling mechanism, but no power system.

3.3 Shelter

Shelter refers to a moveable whole which is organically combined with solid materials, and has suitable air-tightness, protective performance and certain environmental adaptability.

4 Classification and Naming of Mobile Laboratory

4.1 Classification of Mobile Laboratory

In accordance with their functions, the mobile laboratories are classified into four types: physical mobile laboratories, chemical mobile laboratories, biological mobile laboratories and comprehensive mobile laboratories.

NOTE: the comprehensive mobile laboratories can satisfy laboratory requirements of more than two types or have other special functions.

4.2 Naming of Mobile Laboratory

The mobile laboratories are named in accordance with the mode of delivery and the category of functions, such as: self-propelled physical mobile laboratories, trailer-type biological mobile laboratories and shelter-type comprehensive mobile laboratories.

5 Code and Marking of Mobile Laboratory

5.1 Code of Mobile Laboratory

5.1.1 Overview

The code of the mobile laboratories is composed of seven parts: the first letters (YS) of the Chinese pinyin “yì” and “shì” of mobile laboratory, the function category code, model, delivery mode code, environmental characteristics code, data processing requirements code and product sequence number (the product sequence number ranges from 0000 to 9999) of mobile laboratory. The arrangement sequence is shown in Figure 1.

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