



GB 1886.235-2016

National Food Safety Standard Food Additive Citric Acid

食品安全国家标准 食品添加剂 柠檬酸

Competent authority: National Health and Family Planning
Commission of the People's Republic of China (NHFPC)

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National Standard of the People's Republic of China

GB 1886.235-2016

National Food Safety Standard

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Preface

This standard replaces GB 1987-2007 “Food additive Citric acid”.

Compared with GB 1987-2007, major changes of this standard are as follows:

——the title of standard has been revised to “National food safety standard Food additive Citric acid”;

——the items “water insoluble matter, light transmittance and iron” have been deleted;

——the test method for total arsenic (as Arsenic) has been revised;

——the test method for lead has been revised.

National Food Safety Standard Food Additive Citric Acid

1. Scope

This standard applies to the food additive citric acid which is produced by fermentation of starchy or saccharic raw materials.

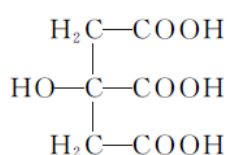
2. Molecular Formula, Structural Formula and Relative Molecular Mass

2.1 Molecular formula

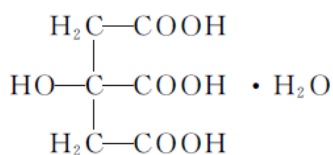
Citric acid anhydrous: $C_6H_8O_7$

Citric acid monohydrate: $C_6H_8O_7 \cdot H_2O$

2.2 Structural formula



Citric acid anhydrous



Citric acid monohydrate

2.3 Relative molecular mass

Citric acid anhydrous: 192.13 (according to the international relative atomic mass in 2013)

Citric acid monohydrate: 210.14 (according to the international relative atomic mass in 2013)

3. Technical Requirements

3.1 Sensory requirements

Sensory requirements shall comply with provisions of Table 1.

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