National Food Safety Standard
Food Additive Calcium Carbonate (Including Light and Heavy Calcium)

食品安全国家标准
食品添加剂 食品添加剂碳酸钙（包括轻质和重质碳酸钙）

GB 1886.214-2016
Release Date: 2016/08/31
Implementation Date: 2017/01/01
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National Standard of the People’s Republic of China

GB 1886.214–2016

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食品添加剂 碳酸钙

(包括轻质和重质碳酸钙)

Date of Publication: Aug. 31, 2016
Date of Implementation: Jan. 1, 2017

Issued by:
National Health and Family Planning Commission of the People’s Republic of China
Preface

This standard replaces GB 1898–2007 “Food additive Calcium carbonate”.

Compared with GB 1898–2007, the major changes of this standard are as follows:

——the Chinese name of this standard has been revised to “National food safety standard Food additive Calcium carbonate (including light and heavy calcium carbonate)”;  

——the application scope of this standard has been revised;  

——the typing and classification has been deleted, and the corresponding indicators have been revised;  

——the test methods of magnesium and alkali metals, arsenic, fluorine, lead, mercury and cadmium have been revised.
National Food Safety Standard
Food Additive Calcium Carbonate
(Including Light and Heavy Calcium Carbonate)

1. Scope

This standard applies to food additives light calcium carbonate and food additive heavy calcium carbonate made by crushed limestone, calcite and oyster shell.

2. Molecular Formula and Relative Molecular Mass

2.1 Molecular formula

CaCO₃

2.2 Relative molecular mass

100.09 (according to the international relative atomic mass in 2013)

3. Technical Requirements

3.1 Sensory requirements

Sensory requirements shall comply with the provisions of Table 1.

<table>
<thead>
<tr>
<th>Items</th>
<th>Requirements</th>
<th>Test methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White or off-white</td>
<td>Take appropriate amount of test sample and place in a 50mL beaker, and observe the color and state under natural light.</td>
</tr>
<tr>
<td>State</td>
<td>Powder</td>
<td></td>
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</tbody>
</table>

3.2 Physicochemical indicators

Physicochemical indicators shall comply with the provisions of Table 2.
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<td>Regulatory News</td>
<td>Newsletter</td>
<td>Regulatory Database</td>
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<td>✓</td>
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<tr>
<td>Multiple</td>
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<td>✓</td>
<td>✓</td>
</tr>
</tbody>
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