



GB 1886.227-2024

National Food Safety Standard

Food Additive Morpholine Fatty Acid Salt

Fruit Wax

食品安全国家标准 食品添加剂 吗啉脂肪酸盐果蜡

National Health Commission of the People's
Republic of China
State Administration for Market Regulation

Release Date: Feb. 08, 2024
Implementation Date: Aug. 08, 2024

Translated by ChemLinked

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National Standard of the People's Republic of China

GB 1886.227-2024
In Replacement of GB 1886.227-2016

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食品安全国家标准

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Date of publication: 2024-02-08

Date of implementation: 2024-08-08

Issued by:

National Health Commission of the People's Republic of China
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Foreword

This standard replaces GB 1886.227-2016 "National Food Safety Standard Food Additive Morpholine Fatty Acid Salt Fruit Wax".

Compared with GB 1886.227-2016, the main changes of this standard are as follows:

- The scope of the standard has been modified;
- The solid content index requirements has been modified;
- The viscosity index requirements has been modified;
- The test method for total arsenic was revised to GB 5009.11;
- The test method for lead was revised to GB 5009.12;
- Gas chromatography was added to the identification test;
- The calculation of solid results has been modified;
- The determination method and result calculation of ignition residue have been modified.

National Food Safety Standard

Food Additive Morpholine Fatty Acid Salt Fruit Wax

1 Scope

This standard applies to food additive morpholine fatty acid salt fruit wax made from morpholine, edible oils and fats or fatty acids (caprylic acid, capric acid, lauric acid, myristic acid, palmitic acid, stearic acid, oleic acid) and natural animal and plant waxes (such as palm wax) or natural animal and plant gums (such as shellac, rosin) at a certain temperature.

2 Technical requirements

2.1 Sensory requirements

Sensory requirements shall comply with the requirements of Table 1.

Table 1 Sensory requirements

Item	Requirement	Testing method
Color	Yellowish brown, tan	Take an appropriate amount of sample, place it in a clean, dry colorimetric tube, and observe its color and state under natural light.
State	Transparent or translucent emulsion	

2.2 Physical and chemical indicators

The physical and chemical indicators should comply with the requirements of Table 2.

Table 2 Physical and chemical indicators

Item	Index	Testing method
Solids, $\omega/\%$ $\geq$	12.0	Annex A.4
Viscosity / (Pa·s)	Comply with the claim	Annex A.5
Residue on ignition, $\omega/\%$ $\leq$	0.5	Annex A.6
Total arsenic (as As)/(mg/kg) $\leq$	1.0	GB 5009.11
Lead (Pb)/(mg/kg) $\leq$	2.0	GB 5009.12
Cold stability test	Through the test	Annex A.7



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