



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB 1886.293-2016

**National Food Safety Standard -- Food Additives -
5-hydroxyethyl-4-methyl-thiazole**

食品安全国家标准 食品添加剂 5-羟乙基-4-甲基噻唑

(English Translation)

Issued on: August 31, 2016

Implemented on: January 1, 2017

Issued by: National Health and Family Planning Commission

Table of Contents

1 Scope

2 Chemical name, molecular formula, structural formula and relative molecular mass

2.1 Chemical Name

2.3 Formula

1 Scope

This standard applies to food -gamma- from 2-acetyl-butylolactone, and carbon disulfide, or a carbothioamide as bromoacetyl and propanol feedstock is obtained Additives 5--hydroxyethyl-4-methylthiazole.

2.1 Chemical Name

Methyl-5-thiazole ethanol Formula 2.2 C₆H₉NOS

2.3 Formula

Relative density (25 °C/25 °C) 1.196 ~ 1.210 GB/T 11540 Appendix A Determination of the content of 5-methylthiazole-hydroxyethyl -4-A.1 instruments and equipment A.1.1 Chromatography. in GB/T 11538-2006 specified in Chapter 5.

A.1.2 Column. capillary column.

A.1.3 Detector. hydrogen flame ionization detector.

A.2 Determination

Area normalization method. Press the GB/T 11538-2006 Determination 10.4.

A.3 repeatability and results are expressed 11538-2006 carried out in accordance with the provisions of 11.4 GB/T , should meet the requirements.

Food additives 5--hydroxyethyl-4-methylthiazole and operating conditions of the gas chromatogram see Appendix B.

Appendix B

Food additives -4-methylthiazole-5- hydroxyethyl by gas chromatography and the operating conditions of FIG.

(Area normalization method) B.1 food additives hydroxyethyl-4-methyl-thiazol-5- GC FIG.

Food additives 5--hydroxyethyl-4-methyl-thiazol-gas chromatography is shown in Figure

B.1.

Figure B.1 food additives hydroxyethyl-4-methyl-thiazol-5- GC FIG.

B.2 operating conditions B.2.1 Column. capillary column, length 30m, internal diameter 0.50mm.