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ICS 67.220.20
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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 1886.163-2015

National Food Safety Standard -- Food Additives -- Methyl-4-pentenoic acid

食品安全国家标准 食品添加剂 2-甲基-4-戊烯酸

(English Translation)

Issued on: September 22, 2015 **Implemented on: March 22, 2016**

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1 Scope

This standard applies to food additives, 2-methyl-4-pentenoic acid.

2.1 Chemical Name

2-methyl-4-pentenoic acid Formula 2.2 C6H10O2

2.4 Relative molecular mass

114.15 (according to 2007 international relative atomic mass)

3.1 Sensory requirements

Sensory requirements shall comply with the requirements of Table 1.

Table 1 Sensory requirements

Project requires test methods Color colorless Liquid state the sample was placed in a cuvette, were visually observed Aroma of cheese-like aroma GB/T 14454.2

3.2 Physical and Chemical Indicators

Physical and chemical indicators should be consistent with the provisions of Table 2.

Table 2. Physical and chemical indicators

Item Index Test Method Solubility (25 °C) 1mL sample soluble in 1mL95% (volume fraction) ethanol GB/T 14455.3 2-methyl-4-pentenoic acid content, w /% >= 99.0 GB/T 11538 Refractive index (20 °C) 1.423 ~ 1.429 GB/T 14454.4 the relative density (25 °C/25 °C) 0.917 ~ 0.923 GB/T 11540 5102-361.6881

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