

ICS 67.220.20
CCS X 40



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

GB 1886.162-2015

**National Food Safety Standard -- Food Additives - 2,
6-dimethyl-5 heptenal**

食品安全国家标准 食品添加剂 2, 6-二甲基-5-庚烯醛

(English Translation)

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1 Scope

This standard applies to food additives 2,6-dimethyl-5-heptene aldehyde.

2.1 Chemical Name

Formula 2.2

C₉H₁₆O

2.4 Relative molecular mass

140.23 (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 Pale yellow color Liquid state the sample was placed in a cuvette, were visually observed Aroma of melon-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) or 2mL70% (volume fraction) ethanol GB/T 14455.3 2,6-dimethyl-5-heptene aldehyde content, w /% ≥ 85.0 a GB/T 11538 Acid value (in dollars KOH)/(mg/g) ≤ 5.0 GB/T

14455.5 Refractive index (20 °C) 1.442 ~ 1.448 GB/T 14454.4 the relative density (25 °C/25 °C) 0.845 ~ 0.854 GB/T 11540 a main impurity is 6-methyl-hept-5-en-2-one, 2,6-dimethyl-6-heptenal.

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