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**GB**

NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA

**GB 1886.215-2016**

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**National Food Safety Standard - Food Additives**

**– White Oil (also Known as Liquid Paraffin)**

食品安全国家标准 食品添加剂 白油（又名液体石蜡）

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Republic of China**

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# **National Food Safety Standard - Food Additives**

## **– White Oil (also Known as Liquid Paraffin)**

### **1 Scope**

This Standard is applicable to food additive white oil obtained from petroleum lubricating oil distillate through dewaxing, chemical refining or hydrofining.

### **2 Technical Requirements**

#### **2.1 Sensory requirements**

The sensory requirements shall comply with the provisions of Table 1.

#### **2.2 Physical and chemical indicators**

The physical and chemical indicators shall comply with the provisions of Table 2.

## Appendix A

### Determination of Lead

#### A.1 Warnings

The reagents used in the test methods of this Standard are toxic or corrosive; and appropriate safety and protective measures should be taken during operation.

#### A.2 Reagents and materials

**A.2.1** Hydrochloric acid.

**A.2.2** Glacial acetic acid solution: Take 12mL of glacial acetic acid and dilute to 100mL of water.

**A.2.3** Other reagents are the same as GB 5009.12.

#### A.3 Apparatus

**A.3.1** High temperature furnace: The temperature can be controlled at 450°C~550°C.

**A.3.2** Electric constant temperature water bath.

#### A.4 Determination method

Take about 2g of specimen, accurate to 0.0002g; put it in a porcelain crucible; place it on an electric furnace, heat slowly in a fume hood until carbonized. Then transfer it to a high-temperature furnace; and make it completely ash at 450°C~550°C. The ashing time shall be no less than 2h; cool to room temperature; add 2mL hydrochloric acid and evaporate to dryness on an electric constant temperature water bath. Add 2mL of glacial acetic acid solution to dissolve the residue; transfer all to a 100mL volumetric flask; dilute with water to the mark; shake well; then take solution as the specimen solution.

Determine the lead in the sample solution according to GB 5009.12. If the determination result exceeds the range of the curve; dilute the sample solution for measurement and calculation.

NOTE: During the heating process, the specimen shall be prevented from overflowing the crucible due to volume expansion and combustion.

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