



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

GB 31604.4-2016

**National Food Safety Standard -- Food Contact Materials and
Articles -- Determination of volatiles in resins**

食品安全国家标准 食品接触材料及制品 树脂中挥发物的测定

(English Translation)

Issued on: August 31, 2016

Implemented on: March 1, 2017

Issued by: National Health and Family Planning Commission of PRC

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1 Scope

This Standard specifies the determination of volatile substances in resin of food contact materials and products.

This Standard is applicable to the determination of volatile substances in polystyrene resin of food contact materials and products.

2 Principle

At 138°C~140°C, under 85.3kPa, the loss weight of specimen after drying for 2h minus the mass of drying loss weight is the mass of the volatile substances.

3 Reagents and Materials

Butanone (C₄H₈O).

4 Apparatus

4.1

Balance. sensibility of 0.1mg.

4.2

Ultrasonic cleaning device. operating frequency of 35kHz.

4.3

Vacuum drying oven.

5.1 Sampling method

Operate as per GB 5009.156.

5.2 Drying weight loss

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