



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

GB 31604.6-2016

**National Food Safety Standard -- Food Contact Materials and
Articles -- Determination of Ignition Residue in Resin**

食品安全国家标准 食品接触材料及制品 树脂中灼烧残渣的测定

(English Translation)

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Table of Contents

Foreword...	3
1 Scope...	4
2 Principle...	4
3 Apparatus...	4
5 Expression of Analytical Results...	5
6 Precision...	5

1 Scope

This Standard specifies the determination of burning residues in the resin of food contact materials and products.

This Standard is applicable to the determination of burning residues in the polyethylene resin of food contact materials and products.

2 Principle

After carbonization, the specimen is calcinated at 800°C, then calculate the mass of residues.

3 Apparatus

3.1

Balance. sensibility of 0.1mg.

3.2

High-temperature oven. the maximum application temperature is $\geq 900^{\circ}\text{C}$.

3.3

Dryer.

3.4

Crucible. quartz crucible or porcelain crucible.

4.1 Sampling method

Operate as per GB 5009.156.

4.2 Specimen determination

Weigh 5g~10g (accurate to 0.1mg) of particle specimen; place it into the constant- weight crucible that has been burnt to $800^{\circ}\text{C}\pm 25^{\circ}\text{C}$; carefully carbonize to smoke-free;

then place into $800^{\circ}\text{C}\pm 25^{\circ}\text{C}$ high-temperature oven to burn for 2h; cool off to about

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