



GB 1886.358-2022

National Food Safety Standard Food Additive Phospholipid

食品安全国家标准 食品添加剂 磷脂

National Health Commission of the People's
Republic of China
State Administration for Market Regulation

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National Standard of the People's Republic of China

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食品安全国家标准

食品添加剂 磷脂

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Foreword

This standard replaces GB 28401-2012 “National food safety standard Food additive Phospholipid”.

The following deviations have been made with respect to GB 28401-2012:

- added the food additive phospholipid produced from rapeseed and egg yolk (main raw materials);
- modified the heavy metal indicator to lead indicator;
- added the corresponding description of commercial phospholipid products.

National Food Safety Standard

Food additive Phospholipid

1 Scope

This standard applies to the food additive phospholipid, mainly produced from soybeans, sunflower seeds, rapeseed and other vegetable oilseeds or their processed by-products, through the following processes such as dehydration, deimpurity, decoloration and degreasing, or mainly produced from egg yolk, through extraction, refinement and other processes.

2 Technical Requirements

2.1 Sensory requirements

Sensory requirements shall comply with the provisions of Table 1.

Table 1 Sensory requirements

Items	Requirements	Test methods
Color	Yellow to brown	Take appropriate amount of the sample and place it in a clean and transparent glass ware, observe its color and state under natural light and smell its odor.
Odor	With the special odor of phospholipid; no foreign odor	
Structural state	Viscous and thick liquid, paste, powder, particle or block	

2.2 Physicochemical indicators

Physicochemical indicators shall comply with the provisions of Table 2.

Table 2 Physicochemical indicators

Items	Indicators	Test methods
Acetone insoluble matter ^a , $\omega/\%$	$\geq$ 60	A.3 in GB 1886.238-2016
Loss on drying ^b , $\omega/\%$	$\leq$ 2.0	Direct drying method ^c in GB 5009.3-2016
n-hexane insoluble matter ^b , $\omega/\%$	$\leq$ 0.3	A.3 in Annex A
Acid value (as KOH)/(mg/g)	$\leq$ 36.0	A.4 in Annex A
Peroxide value/(mmol/kg)	$\leq$ 5.0	A.5 in Annex A



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