



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

中华人民共和国国家标准

GB 28401-2012

**National Food Safety Standard
Food Additives - Phospholipids**

食品安全国家标准

食品添加剂磷脂

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National Food Safety Standard

Food Additives - Phospholipids

1 Scope

This standard is applicable to food additives – phospholipids made from soybean, sunflower seed, etc. or their processed by-products which are processed by using some processing technologies (dehydration, impurity removal, de-coloration and degreasing, etc.)

2 Technical requirements

2.1 Sensory requirements: conform to Table 1.

Table 1 Sensory Requirements

Item	Requirements	Test method
Color	Yellow to brown	Put some sample in clear and transparent glassware. Observe color and status under natural light and smell the sample
Smell	Have the smell of phospholipids. No abnormal smell	
Status	Thick liquid status, cream status, powder status or particle status	

2.2 Physicochemical indexes: conform to Table 2.

Table 2 Physicochemical Indexes

Item	Index	Test method
Insoluble substance - acetone, w% \geq	60	SN/T 0802.2 ^a
Loss on drying, w% \leq	2.0	GB 5009.3 direct drying method ^b
Insoluble substance - n-hexane, wf% \leq	0.3	Article A.3 in Appendix A
Acid value (based on KOH) / (mg/g) \leq	36	Article A.4 in Appendix A
Peroxide value / (meq/kg) \leq	10	Article A.5 in Appendix A
Heavy metal (based on Pb) / (mg/kg) \leq	20	GB/T 5009.74
Total arsenic (as "As") / (mg/kg) \leq	3.0	GB/T 5009.11

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