



**Title:** China RoHS regulation on electrical and electronic products published

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**Abstract:** GB 4806.2-2015 National Standard for Food Safety—Nipples applies on 22 September 2016 superseding GB 4806.2-1994 Hygienic Standard for Rubber Nipple.

GB 4806.2-2015 National Standard for Food Safety—Nipples applies on 22 September 2016 superseding GB 4806.2-1994 Hygienic Standard for Rubber Nipple.

GB 4806.2-2015 applies to products made of natural rubber, polyisoprene and silicone rubber. However, it is not applicable to pacifiers. Meanwhile, the standard shall comply with general safety requirements of national standard for food contact materials and products for food safety.

Compared with the previous version, the new standard adds technical requirements for raw materials and lists polyisoprene as a new raw material for rubber nipples.

GB 4806.2-2015 makes major adjustments in physic-chemical indexes as the following:

- Adding overall immigration, migration of 2,6-Di-tert-butyl-4-methylphenol, migration of 2,2'-Methylenebis(6-tert-butyl-4-methylphenol), release of N-Nitrosamines and N-nitrosatable substances;
- Lowering limits for potassium permanganate consumption and migration of zinc;
- The requirements for heavy metals remain unchanged.

Item	Index	Test Method
Overall migration / (mg/kg)		
Distilled water 24h at 40°C	≤30	GB 31604.8
Acetic acid 4 % (V/V) 24h at 40°C	≤60	
Acetic acid 50 % (V/V) 24h at 40°C	≤60	
Potassium permanganate consumption / (mg/kg)		
Distilled water 24h at 40°C	≤10	GB 31604.2
Heavy metals (calculated as lead metal [Pb]) / (mg/kg)		
Acetic acid 4 % (V/V) 24h at 40°C	≤1	GB 31604.9
Migration of zinc (mg/kg)		
Acetic acid 4 % (V/V) 24h at 40°C	≤5	Food Contact Materials and Products Test Method for

## CONTACT US

### C&K Testing-Hangzhou

Tel : +86-571-87206587

E-mail : [test@cirs-group.com](mailto:test@cirs-group.com)

Address : No.1180, Bin' an Road, Binjiang District, Hangzhou, Zhejiang, China

Web : [www.cirs-ck.com/en](http://www.cirs-ck.com/en)

### CIRS-Headquarters

Tel: +86-571-87206502

Email: [info@cirs-group.com](mailto:info@cirs-group.com)

Address: No.1288, Chunbo Road, Binjiang District, Hangzhou, China

Web: [www.cirs-group.com/en](http://www.cirs-group.com/en)

### CIRS-IRELAND

Tel: +353-41-9806916

Email: [louise@cirs-reach.com](mailto:louise@cirs-reach.com)

Address : Singleton House, Laurence Street, Drogheda, Co. Louth, Ireland

Web: [www.cirs-reach.com](http://www.cirs-reach.com)

		Migration of Zinc
Migration of 2,6-Di-tert-butyl-4-methylphenol / (mg/kg)	≤0.3	GB 28482-2012
Migration of 2,2'-Methylenebis(6-tert-butyl-4-methylphenol) / (mg/kg)	≤0.15	
N-Nitrosamines and N-nitrosatable substances / (mg/kg) Artificial saliva 24h at 40°C N-Nitrosamines N-nitrosatable substances	≤0.01 ≤0.1	Sample preparation and result are subject to GB 28482-2012, Instrument analysis is subject to GB/T 24153-2009
Volatiles /% (w/v)	≤0.5	GB 28482-2012

In addition, GB 4806.2-2015 includes requirements for natural rubber. For instance, a product shall bear an instruction to indicate it contains natural latex if this is the case.

C&K Testing advises manufacturers should adjust production techniques and strengthen quality control before 22 September 2016 so as to ensure their products comply with the new standard, or send their products to a professional body for testing if necessary.

#### Further information

[GB 4806.2-2015 \(in Chinese\)](#)

[中文阅读](#)

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Address : No.1180, Bin' an Road, Binjiang District, Hangzhou, Zhejiang, China

Web : [www.cirs-ck.com/en](http://www.cirs-ck.com/en)

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Web: [www.cirs-group.com/en](http://www.cirs-group.com/en)

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Web: [www.cirs-reach.com](http://www.cirs-reach.com)