

# GB 18401

## CHINA'S TEXTILE PRODUCT SAFETY CODE



*"Committed To Quality"*

**fiti** FITI Testing &  
Research Institute

A young girl with dark hair, wearing a white long-sleeved shirt and pink pants, is holding up a blue sleeveless dress with white polka dots. She is smiling and looking at the dress. The background is a plain, light-colored wall.

## A Must for Textile and Apparel Entering China

## China's Mandatory Requirements for Textile Products

While China is one of the top textile and apparel manufacturing countries, it is also one of the largest consumer markets in the world. Due to their rapidly expanding domestic market, Chinese government enacted *GB 18401: National General Safety Technica Code for Textile Products* standard to promote consumer safety in China.

GB 18401 is currently applied to products both manufactured in China and imported from other countries. Commonly used textile products ranging from apparels to household textile products are regulated under the standard.

## Our services are Ready for You

### CNAS Reports

With CNAS (China National Accreditation Services for Conformity) and CMA (China Metrology Accreditation) accredited laboratory in Shanghai and global lab network, we offer our clients comprehensive solutions to meet their needs in China.

### Technical Support

From determining product type to delivering Chinese regulatory information, FITI's dedicated members are ready to guide you through Chinese standards and regulations.

Technical requirements in GB 18401 are repeatedly checked before products are sold to customers. China Entry-Exit Inspection and Quarantine (CIQ) conducts random inspections and testing on imported goods at customs. Chinese buyers may request test reports that are valid for use in China. The Chinese government conducts random inspections several times every year. Violators of GB 18401 may be punished severely in accordance with related Chinese laws and regulations. In order to avoid losses from unexpected recalls and fines, business owners in China must ensure that their products comply with the standard.



## Key Benefits

- Minimize business risks in China
- Protect brand integrity
- Technical support with Chinese standards

## Technical Challenges

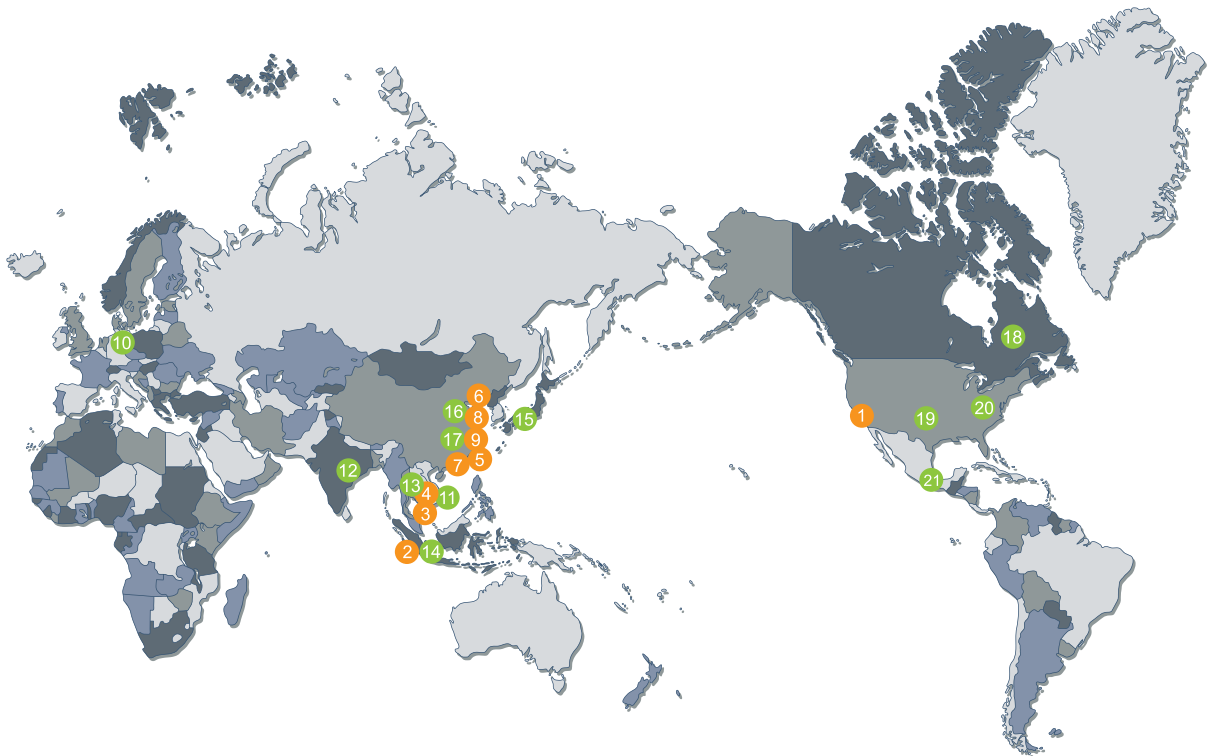
GB 18401-2010, the current version of the standard, deals with quality and safety of textile products. The standard divides textile products into three categories according to their intended use and age with different requirements to each category.

- Type A : Products for infants up to 36 months
- Type B : Products with direct skin contact
- Type C : Products without direct skin contact

Test Item		Type A	Type B	Type C
Formaldehyde Content (mg/kg)		20	75	300
pH Value		4.0~7.5	4.0~8.5	4.0~9.0
Colorfastness (Grade)	Water (Color change & Staining)	3-4	3	3
	Acid Perspiration (Color change & Staining)	3-4	3	3
	Alkaline Perspiration (Color change & Staining)	3-4	3	3
	Dry Rubbing	4	3	3
	Saliva (Color change & Staining)	4	Not Required	Not Required
Odor		Odorless		
Decomposable Carcinogenic Arylamines (AZO dyes) (mg/kg)		Banned		

Along with formaldehyde and carcinogenic arylamines, the standard also regulates colorfastness properties of products. Any business entering Chinese market must make sure that their internal quality control requirements meet GB 18401 requirements.

# FITI GLOBAL NETWORK



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[www.fiti.re.kr](http://www.fiti.re.kr)

**America** Mr. Stan Ha : +1(213)788-3301, [fiti.usa@fitiglobal.com](mailto:fiti.usa@fitiglobal.com)  
**Asia** Mr. JG Kim : +82(2)3299-8221, [jgkim@fitiglobal.com](mailto:jgkim@fitiglobal.com)