

A hand holding a torch while another hand gestures towards it. The background is white with some faint shadows.

**YOUR PARTNER IN  
ACHIEVING EXCELLENCE**

**卓越之路 真诚伙伴**



# SGS 瑞士通用公证行集团

**SGS** is the  
world's **leading** :

全球规模最大的，  
专门从事以下服务：



# Worldwide Network and One-stop Services

全球网络、一站式服务



Founded in 1878 with 130 years history

**SGS** 创建于 **1878**, 具有 **130** 年历史

•1000 Offices

**1000** 多个分支机构

•46,000 Experts

**46,000** 多名职员

SGS Group



84 offices  
100 laboratories  
**in North America**

410 offices  
115 laboratories  
**in Europe**

133 offices  
54 laboratories  
**in Asia/Pacific**

128 offices  
39 laboratories  
**in Africa/  
Middle East**

90 offices  
30 laboratories  
**in Latin America**

# Milestones 里程碑



## SGS business segments



**Agricultural  
Services**



**Automotive  
Services**



**Consumer  
Testing  
Services**



**Environment  
al Services**



**Industrial  
Services**



**Minerals  
Services**



**Oil, Gas &  
Chemicals  
Services**



**Systems and  
Services  
Certification**



**Technical  
Staffing  
Services**



**Trade  
Assurance  
Services**

# Branches in China

专业人才，无所不在

● **27** 个分支机构和办事处

**30** 多间实验室

**4800** 名员工

● Over **27** Branches and offices,

**30** Laboratories and

**4800** Staffs



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# *Consumer Testing Service*

## *Introduction*

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WHEN YOU NEED TO BE SURE

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# Service Coverage - Inspection

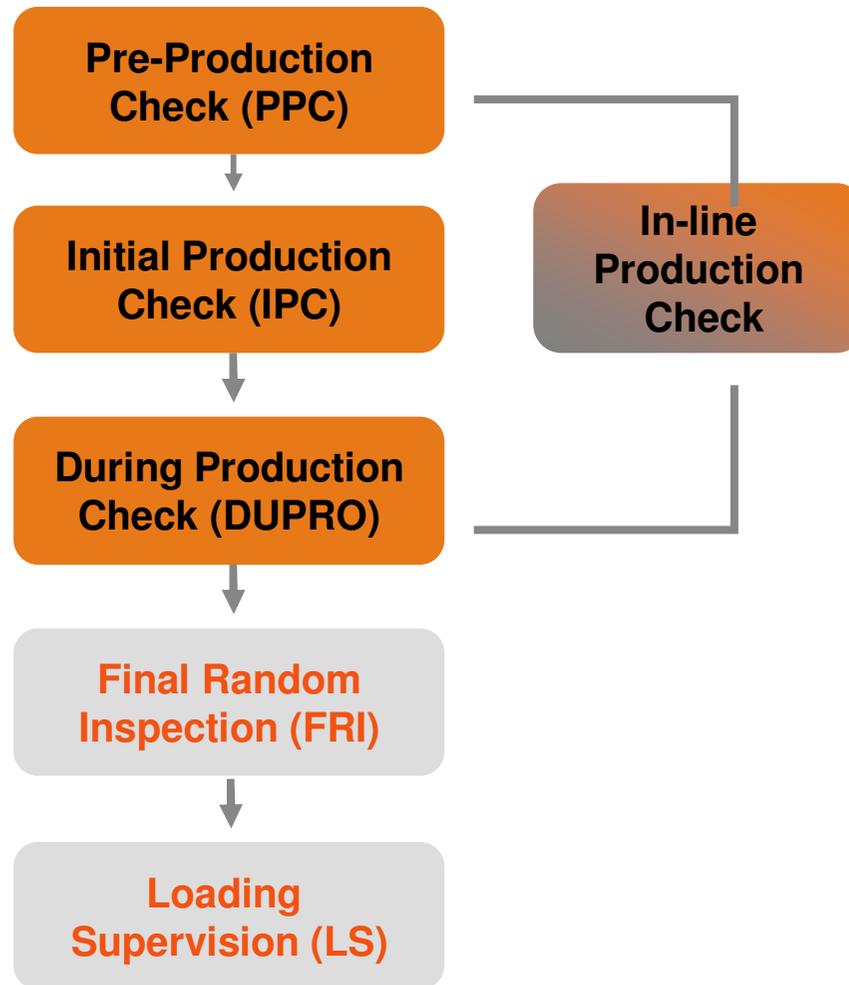


- Pre-Production Check
- Initial Production Check
- During Production Check
- Final Random Inspection
- Container Loading Supervision

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# Service Coverage - Inspection



# Service Coverage - Inspection

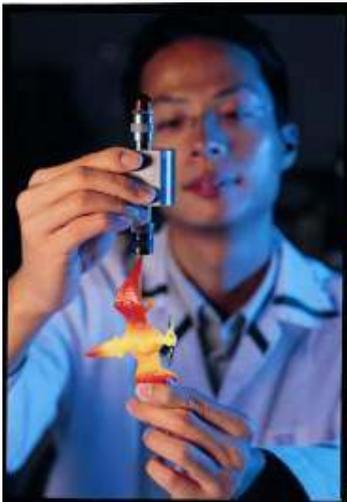


## INITIAL PRODUCTION CHECK (IPC):

- Materials, components and the first few finished units are checked at the commencement of production against your specifications and type sample. The IPC thus permits timely corrections and improvements before the bulk of production is initiated; furthermore, our faxed interim production status report will keep you accurately informed.

## DURING PRODUCTION CHECK (DUPRO):

- Is production on schedule and in conformity with your requirements? The DUPRO provides a professional answer to this question; SGS will check that the corrections and improvements suggested during the IPC were implemented, examine the existing production, advise the manufacturers of any further corrections or improvements to be made and provide you with a faxed interim product status report.



# Service Coverage - Inspection

## FINAL RANDOM INSPECTION (FRI):



- The FRI takes place after your merchandise has been fully produced, packed and is in all respects ready for shipment. Performed according to the international standard ABC-STD 105 E (ANSI/ASQC Z1.4-1993). The selected samples are then carefully checked against your specifications and type samples; this inspection involves a close examination covering such items as construction, workmanship, function, cosmetics, assortment, packing, marking, etc.



## Factory Assessments:

- Such a survey can be directed towards the suppliers QA programme or his ability to deliver in the quantities and to the quality required by the client.

## Delivery Monitoring

- As part of the 3-stage procedure (IPC/DUPRO/FRI) the execution of the order according to the delivery schedule may be monitored and the client advised if problems are foreseen.

# Service Coverage - Inspection

- Electrical and Electronics



- Toys and Sundries



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# Service Coverage - Inspection

- Textile, Garments and Shoes



- Food Products



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# Why choose SGS

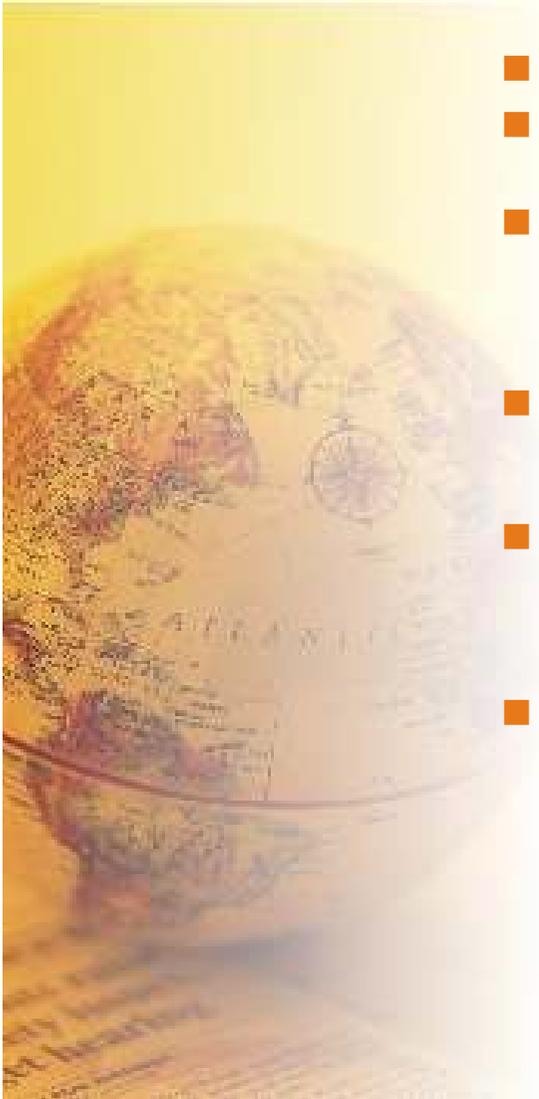


- Ensuring quality standards of your products and services to protect your customers
- Minimising your risks in business and trade
- Increasing safety for your staff in the production flow
- Optimising your processes
- Competitive advantages
- Tested safety



# Why choose SGS

- Increased company transparency
- Responsibility for the future, e.g. environmental certificates
- Enhancement of customer satisfaction Excellent technical experts
- World wide network
- technical support and steady update on market needs
- SGS's strong relationship to industry as well as public and governmental institutions



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# Inspection of bathroom products

## 陶瓷卫浴制品的检验

Prepared by Tianjin Branch

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# Suitable sampling plan

## 抽样方案

**Sampling plan: ANSI/ASQ Z1.4-2003 (MIL-STD-105E)**

**IPC (初期检验) - Level I**

**DUPRO (中期检验) - Level I**

**FRI (末期检验) - Level II AQL 2.5/4.0**

**Cartons selection: Square root of total cartons**

抽箱数:总箱数的平方根

**or subject to client's requirement**

或按客户的要求

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## ANSI/ASQC Standard Z1.4-2003 Sampling Plan

### Sample Size Code Letters

**SGS** | SGS - CSTC  
 Add: 16F Century YuHui Mansion, No. 73Fueheng Road, Beijing, China  
 Tel: (+86-10) 68456699 Fax: (+86-10) 68457979

**ANSI / ASQ Z1.4-2003**  
 Table I - Sample size code letters (See 9.2 and 9.3)

Lot or Batch Size			Special inspection levels				General inspection levels		
			S-1	S-2	S-3	S-4	I	II	III
2	to	8	A	A	A	A	A	B	
9	to	15	A	A	A	A	A	B	
16	to	25	A	A	B	B	B	C	
26	to	50	A	B	B	C	C	D	
51	to	90	B	B	C	C	C	E	
91	to	150	B	B	C	D	D	F	
151	to	280	B	C	D	E	E	G	
281	to	500	B	C	D	E	F	H	
501	to	1,200	C	C	E	F	G	J	
1,201	to	3,200	C	D	E	G	H	K	
3,201	to	10,000	C	D	F	G	J	L	
10,001	to	35,000	C	D	F	H	K	M	
35,001	to	150,000	D	E	G	J	L	N	
150,001	to	500,000	D	E	G	J	M	P	
500,001	and	over	D	E	H	K	N	Q	

CIAT 2004 VERSION

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# ANSI/ASQC Standard Z1.4-2003 Sampling Plan

## Sample Size Code Letters

**Table II-A—Single sampling plans for normal inspection (Master table) (See 9.4 and 9.5)**

Sample size code letter	Sample size	Acceptance Quality Limits, AQLs, in Percent Nonconforming Items and Nonconformities per 100 Items (Normal Inspection)																											
		0.010	0.015	0.025	0.040	0.065	0.10	0.15	0.25	0.40	0.65	1.0	1.5	2.5	4.0	6.5	10	15	25	40	65	100	150	250	400	650	1000		
		Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	Ac/Re	
A	2																												
B	3																												
C	5																												
D	8																												
E	13																												
F	20																												
G	32																												
H	50																												
J	80																												
K	125																												
L	200																												
M	315																												
N	500																												
P	800																												
Q	1250																												
R	2000																												

↓ = Use the first sampling plan below the arrow. If sample size equals, or exceeds, lot or batch size, carry out 100% inspection.  
 ↑ = Use the first sampling plan above the arrow.  
 Ac = Acceptance number.  
 Re = Rejection number.

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# Quality Inspection Scope

## 质量检验范围

### Physical appearance criteria 物理外观范围

- Non functional sharp point and sharp edge (May injure customer)
- Deformed, damaged, scratched, dirty mark, broken, chipped, cracked, scuff mark.....
- Wrong color or style or type

### Workmanship criteria 做工范围

### Packing assortment, marking criteria 包装及标识范围

- Packing method and condition
- Shipping mark and side mark
- Carton dimension and weight

### Function check 功能检查

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# Defect Classification 缺陷分类

**Critical** 不接受缺陷:导致不安全及有危险隐患或会违反法规的缺陷.

This classification includes defects which would cause serious injury, that are

- unsafe,
- hazardous, or potential hazardous
- illegal, that is contravening mandatory regulations

**Major** 大缺陷:导致故障,降低用途及在外观上影响销售的缺陷.

This classification includes defects which cause:

- the product or package not to function as intended,
- likely reduce the usability or cause premature failure of the product,
- obvious affect the salability of the product, a customer would not buy the product if they saw the defect

# Defect Classification 缺陷分类

Minor 小缺陷:不影响用途但超出质量标准的缺陷.

This classification includes defects which are minor and may or may not be noticeable to a consumer, are usually cosmetic in nature. It does not reduce the usability of the product, but is nevertheless a workmanship defect beyond the defined quality standard.  
It reduces the product salability at full price.

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# Typical Defects of Glassware

## 典型疵点和缺陷



Scuff mark



crack on tank



color stain on tank lid

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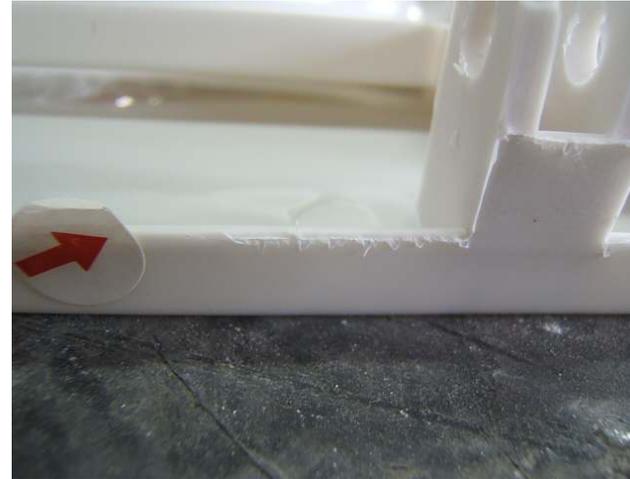
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# Typical Defects of Glassware

## 典型疵点和缺陷



crack mark on out water



poor finished



poor finished



poor glazing

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# Typical Defects of Glassware

## 典型疵点和缺陷



uneven surface



Uneven out hole



color stain



cracked on cover surface

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# Typical Defects of Glassware

## 典型疵点和缺陷



poor glazing



crack



lost glaze on top edge of tank



pin hole on seat-minor

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# Typical Defects of Glassware

## 典型疵点和缺陷



dirty stain (major)



Loose parts

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# Onsite testing 现场测试



gap



gap



gap between tank and lid



wobble for lid

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# Onsite testing 现场测试



ball test



granule test



paper test

WHEN YOU NEED TO BE SURE



# Onsite testing 现场测试



ink flushing



trap seal



overflow test

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# Assembly testing 现场组装



assembled



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# Accessory & Packing check 包装检查



accessory

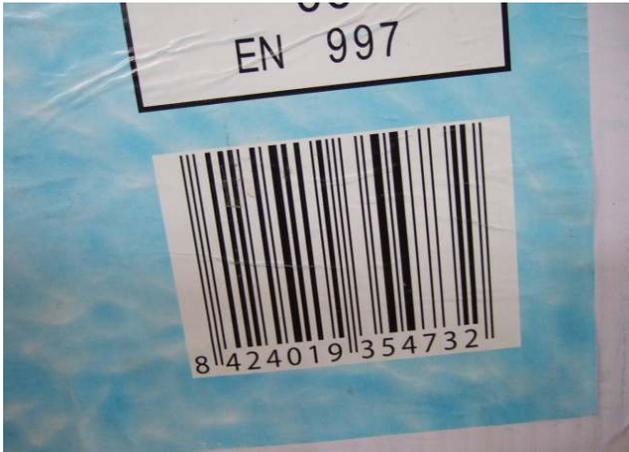


packing of ctn

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# Packing check 包装检查



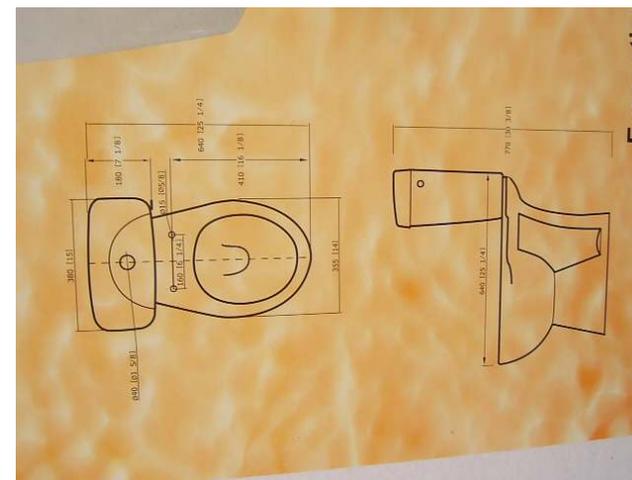
barcode



color label



printed on ctn of cover



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# Packing check 包装检查



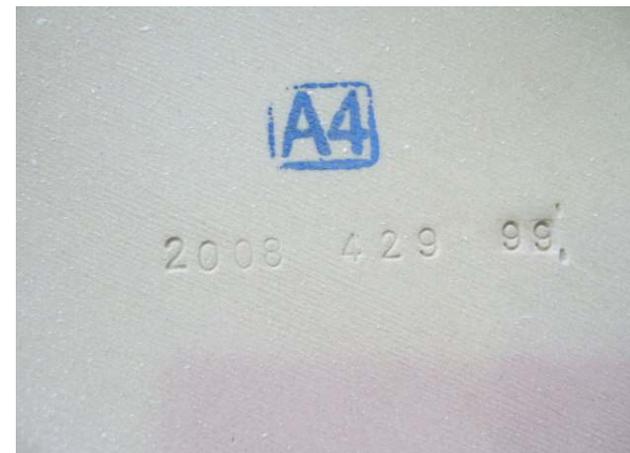
side mark



shipping mark



Poly bag of cover



date code

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# Packing check 包装检查



fumigation mark



packing for pallet

WHEN YOU NEED TO BE SURE

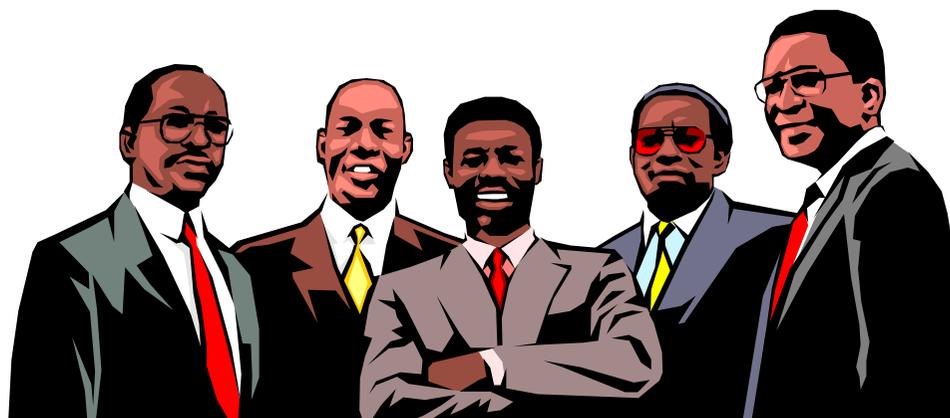


## Key contact person 联络人

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**Thank You**

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