

验货

挑战



如果您是买家，需要跨洲从产地采购商品，您理所当然地要确保自己的利益，确认您的供应商是在为您生产优质产品。虽然现代化的通讯手段使联络变得十分方便，但这并不能代替您在现场对产品质量的监控。依靠独立的检验测试机构，您对产品质量的顾虑将不复存在。不符合要求的产品在生产中或装船前就会被发现并及时得到控制。Intertek 可作为您的代表为您跟进监督所有与品质相关的程序。

我们的解决方案



Intertek在提供独立的第三方检验和测试服务上享有国际声誉。我们丰富的经验是您利益的保障。从产品的开发、生产过程到最后交货，无论在什么阶段，我们都能从您的利益出发对产品进行监督。我们各阶段的检验服务包括：

- * 工厂评估
- * 装船前检验
- * 生产中检验
- * 付运前的抽样检验
- * 监督装运

我们的检验员都接受过相关培训，对您的产品线（包括下列范围）进行检验：

1. 电子电器产品；
2. 纺织品，包括服装、面料、鞋类等；
3. 杂货，包括玩具、厨具、家具、文具等。

工厂评估

在向一家新厂商下单前，确保您的质量规范得到充分理解是非常重要的，还有该供应商是否具备足够的生产能力、工作条件、管理和质量控制流程。事实上，不论是生产商还是进口商都需要对其现时生产能力重新审核，从而获取一些新的建议。Intertek 可指派当地的审核员进行相应评估。

生产前检验

除了工厂评估，我们的检验员也会通过随机抽样，对用于生产的原材料及配件进行检验。

生产中检验

当第一批产品刚被从流水线上取下，我们的检验员就已经准备好检查质量中的斑点和偏差，然后向厂方建议在生产过程中纠正错误的有效可行的方法。

验货



付运前的抽样检验

装船前检验是指货物生产完毕待装船出运前的检验。我们的检验员根据国际认可的随机抽样统计原理，即通常所用的ANSI / ASQC Z1.4、BS 6001-1、ISO2859-1等标准对货物进行抽样检验。我们的检验包括校验数量、工艺、功能、颜色、尺寸规格和包装等细节是否符合合同的要求。

监督装船

监督装运是在付运前的抽样检验之后，在装集装箱时的检验。可在工厂基地、仓库或装箱运输中进行。Intertek可协助厂商在整个船运过程中保证适当的环境条件、清洁状况和集装箱完整性。



ANSI / ASQC Z1.4 / MIL-STD-105E / BS 6001 / ISO 2859

这是一种基于数学概率原理的随机抽样检验方式，可根据货物总量计算出抽样量，同时提供了不同货物量中允收或拒收不合格品的标准。无论对于买方或卖方来说，这项准则都是对产品质量公证的评定。

合格质量水平（AQL）是指抽样检验中允许最多不合格品的百分率。对抽样检验来说，它被认为是一种满意的过程平均。AQL必须被买卖双方同时认可。

表 I. 样本大小字码

批量范围	特殊检查水平				一般检查水平		
	S-1	S-2	S-3	S-4	I	II	III
2至8	A	A	A	A	A	A	B
9至15	A	A	A	A	A	B	C
16至25	A	A	B	B	B	C	D
26至50	A	B	B	C	C	D	E
51至90	B	B	C	C	C	E	F
91至150	B	B	C	D	D	F	G
151至280	B	C	D	E	E	G	H
281至500	B	C	D	E	F	H	J
501至1200	C	C	E	F	G	J	K
1201至3200	C	D	E	G	H	K	L
3201至10000	C	D	F	G	J	L	M
10001至35000	C	D	F	H	K	M	N
35001至150000	D	E	G	J	L	N	P
15000至500000	D	E	G	J	M	P	Q
500001及以上	D	E	H	K	N	Q	R

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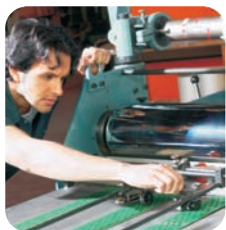


表 II. 正常检查一次抽样方案

Sample size Code Letter	Sample size	合格质量水平 (AQL)																									
		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
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																										

▼使用箭头下的第一个抽样方案。当样本大小等于或大于批量时，做100%全检。

▲使用箭头上的第一个抽样方案。

Ac 合格判定等级 Re 不合格判定等级

相关服务

面料检验

面料检验着重于缺点/疵点等级、颜色、边边差和边中差、手感和外观。客户可选择适当的缺点等级和标准来决定是否接受装船。这样就能最大限度的减少裁片或成衣因面料疵点而导致的不合格，从而确保成品的质量。面料检验也被视作服装或其他纺织品的生产前检验。

面料检验内容如下：

- * 颜色
- * 长度
- * 外观
- * 面料疵点
- * 门幅
- * 包装
- * 色差
- * 面料手感
- * 数量

验货



什么是4分制？

这是美国材料测试学会公布的标准：ASTM D5430-93。

疵点将根据其尺寸大小和严重程度被扣以1、2、3、4的罚分

23疵点尺寸（英寸）	罚分
疵点≤3英寸	1
3英寸<疵点≤6英寸	2
6英寸<疵点≤9英寸	3
疵点>9英寸	4

我们也可按客户的需要采用其它标准评估面料疵点等级，如运动衫面料通常表述为每疵点多少米。

为什么选择Intertek？



Intertek天祥集团的主要优势是覆盖全球的网络将分布世界各地的供应商与买家连接起来。我们代表产品最终市场的客户和消费者在原产国对整条供应链涉及到的工厂和货物进行独立检验。事实上，只要客户有所要求，我们就能依据一系列的国际标准测试相同的产品。

Intertek拥有576个分支机构提供检验、审核及认证服务，还有338个遍布全球的实验室提供广泛的标准和特定的测试服务。

我们将资源进行战略性部署，以便在每个国家提供恰当的服务。我们会不断地评估对我们服务的需要，同时我们也经常评估制造业及市场的发展趋势，力求为客户提供最好的服务。

Intertek正是在理想的定位来帮助消费者和客户满足质量、安全和职业道德方面标准的要求，无论他们或他们的客户身处何方。我们的测试、检验、审核和咨询的一体化服务在消费品领域独树一帜，使得Intertek成为众多世界一流品牌选择的供应商。

Inspection Challenge



If you are a buyer located a continent away from your product source, you should verify that your interests are being well protected and quality products are being manufactured. Despite improvement in long distance communication, there is still no substitute for local supervision of manufacturing. By employing an independent inspection and testing entity, quality concerns will be identified and controlled at source, prior to shipment and possibly during production. In your absence, Intertek can monitor the entire quality related process.

Our Solutions



Intertek has an international reputation for providing independent third-party inspection and testing services. You can benefit from our experience as we inspect products on your behalf at all stages from the sourcing factories, through the manufacturing process, to delivery. They are:

- * Factory Evaluation
- * Pre-production Inspection
- * During Production Inspection
- * Final Random Inspection
- * Supervision of Loading

We have relevant inspectors trained to inspect your product lines which includes the following categories:

1. electrical & electronics;
2. textiles including garments, fabric, footwear, etc;
3. hardlines including toys, cookware, furniture, stationery, etc.

Factory Evaluation

Before placing an order with a new manufacturer it is important to ensure that your quality specifications are fully understood, and that the supplier has adequate production capability, working conditions, management and quality control processes. However, manufacturers and importers, equally, need reassurance and advice on the capabilities of their current production facilities. Intertek will provide local auditors to undertake this evaluation.

Pre-Production Inspection

In addition to factory evaluation, our inspectors are available to inspect, by random sampling, the raw materials and components to be used in production.

During Production Inspection

As soon as the first goods come off the production lines, our inspectors are there to check for any defects or deviation from quality parameters, and to suggest practical and effective ways in which these can be rectified in the production process.

Inspection



Final Random Inspection

The pre-shipment inspection takes place when the merchandise is completed, packed and ready for shipment. Our inspectors pull a random sample of finished goods, based on the internationally recognised statistical random sampling technique, commonly known as ANSI / ASQC Z1.4, BS 6001-1, ISO 2859-1. We verify quantity, workmanship, function, colour, size specifications and packing details, all with a view to ensure that the contract specifications are met.

Supervision of Loading

This service is offered at the manufacturer's premises, warehouse or forwarder during containerization after our Final Random Inspection. Intertek can co-ordinate with the manufacturer to observe that the proper environmental conditions, cleanliness and integrity of the containers are adequate for the transport of the shipment to its final destination.



ANSI/ASQC Z1.4 / MIL-STD-105E / BS6001 / ISO 2859

It is a random sampling inspection method by attributes based on the mathematical theory of probability. This method provides the number of samples to be inspected in a given lot/shipment size. It also provides the specific criteria for acceptance or rejection of a shipment/lot based on the number of defects found, and provides a fair assessment, to both buyers and sellers, of product quality.

Acceptable Quality Level (AQL) is the minimum percentage defective that, for purposes of sampling inspection, can be considered satisfactory as a percentage average. It should be agreed upon between both buyer and seller.

Table I . Sample Size Code Letters

Lot or Batch Size	Special Inspection Levels				General Inspection Levels		
	S-1	S-2	S-3	S-4	I	II	III
2 to8	A	A	A	A	A	A	B
9 to15	A	A	A	A	A	B	C
16 to25	A	A	B	B	B	C	D
26 to50	A	B	B	C	C	D	E
51 to 90	B	B	C	C	C	E	F
91 to 150	B	B	C	D	D	F	G
151 to 280	B	C	D	E	E	G	H
281 to 500	B	C	D	E	F	H	J
501 to 1200	C	C	E	F	G	J	K
1201 to 3200	C	D	E	G	H	K	L
3201 to 10000	C	D	F	G	J	L	M
10001 to 35000	C	D	F	H	K	M	N
35001 to 150000	D	E	G	J	L	N	P
150001 to 500000	D	E	G	J	M	P	Q
500001 and Over	D	E	H	K	N	Q	R

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Inspection



Table II . Single Sampling Plans For Normal Inspection

Sample size Code Letter	Sample size	Acceptable Quality Levels(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
A	2																										
B	3																										
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H	50																										
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K	125																										
L	200																										
M	315																										
N	500																										
P	800																										
Q	1250																										
R	2000																										

▼ Use first sampling plan below arrow. If sample size equals, or exceeds lot or batch size do 100% inspection
 ▲ Use first sampling plan above arrow
 Ac Acceptance Rate Re Rejection Rate

Related Services

Fabric inspection

Fabric inspection focuses on fault / defect rate, colour, end to end and edge to middle shading, hand / handle and appearance. The client will select the appropriate fault rate and standard to determine the acceptance of each shipment. This will minimise the quantity of panels or garments rejected for fabric faults, thereby ensuring the quality of the finished goods. Fabric inspection is also considered as preproduction inspection for garments or other textile products.

The following aspects are assessed:

- * Colour
- * Length
- * Appearance
- * Fabric faults
- * Usable width
- * Packaging
- * Shading
- * Fabric hand / handle
- * Quantity

Inspection



What is the 4-point system ?

This is issued by The American Society for Testing and Materials with reference to the designation: ASTM D5430-93.

Size of defect (Length in inches)	Penalty Points
3 inches or less	1
Over 3 inches but less that 6 inches	2
Over 6 inches but less than 9 inches	3
Over 9 inches	4

Faults are scored with penalty points of 1, 2, 3 and 4 according to their size and significance.

Why Intertek



Intertek's global reach is our major strength linking suppliers in one part of the world with buyers in another. We independently inspect factories and goods in the countries of origin across the whole supply chain on behalf of clients and consumers located in the products' final market. In fact we can test the same product to a range of international standards if required.

Intertek has 576 offices offering inspection, auditing and certification services and 338 laboratories worldwide providing a wide range of standard and custom testing programmes.

Our resources are strategically placed, providing appropriate services in each country. These needs are continuously reassessed, and we are constantly evaluating manufacturing and market trends to best serve our customers.

Intertek is in the ideal position to help our customers and clients meet the Quality, Safety and Ethical standards irrespective of their, or their customer's location in the world. Our mix of testing, inspection, auditing and consultancy services is unparalleled in the consumer goods arena making Intertek the supplier of choice for many of the world's leading brands.

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