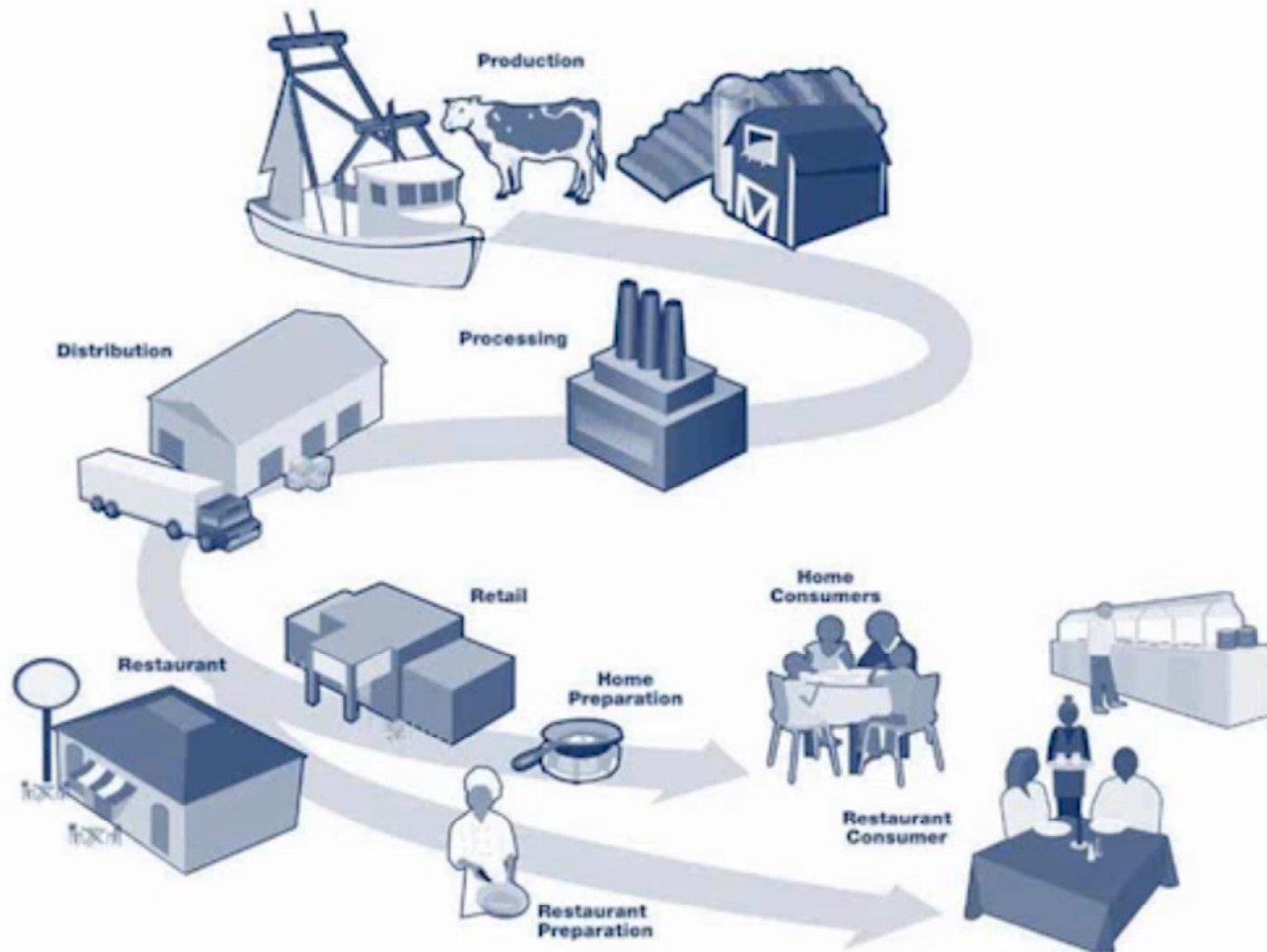


Testing & Inspection: It's Crucial Role to Market Access

Presented by:
Intertek Testing Services Philippines

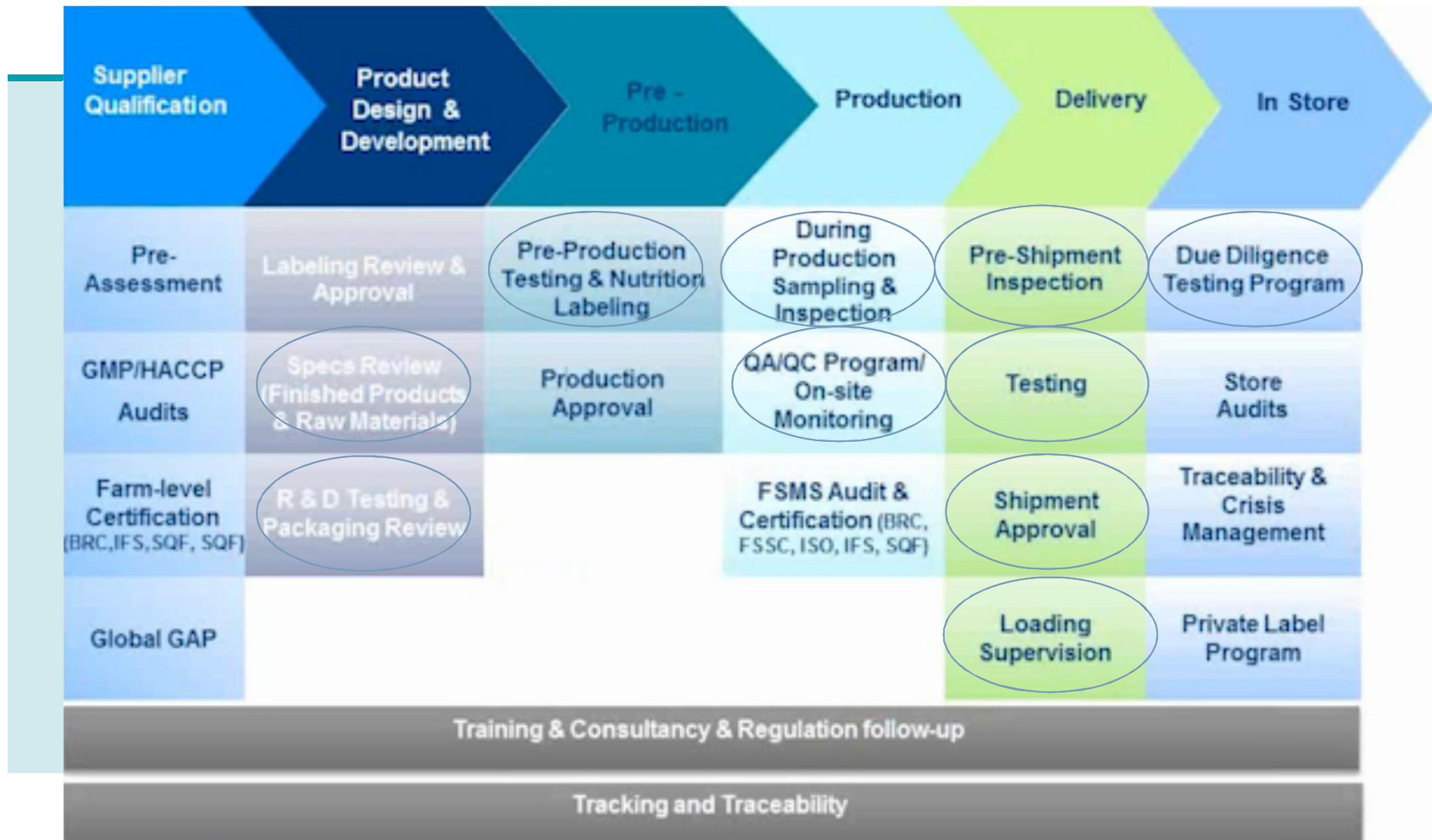




Adding Value to the Food Supply Chain

Intertek

Valued Quality. Delivered.



Assurance of Product Quality & Safety

Intertek

Valued Quality. Delivered.



Why is Food Testing Important?

Intertek

Valued Quality. Delivered.

- “ It is an important tool for monitoring safety & performance of the product
- Focuses on preventing occurrence of hazards detrimental to health
- A more proactive means of ensuring consumer safety; reactive solutions are oftentimes more costly
- “ Prevents the occurrence of product recalls
- Test results are objective evidences to determine compliance to regulatory or legislative requirements, other than tools for traceability
- Reliability, safety and quality aspects of the products gain more market acceptance than quantity and price



Why is Food Inspection Important?

Intertek

Valued Quality. Delivered.

- “ Identifies issues at source or origin before they become a concern
- “ Maintains product consistency
- “ Verifies the products conformity to specifications
- “ Ensures local regulations and legal requirements are followed during transportation
- “ Enhances your company image and protects your brands



1. In-process Inspections

- Control the quality of product details and operations during the manufacturing process
- Allows addressing all problems early, reducing risks of rework, hence economizes time and costs by decreasing probability of spoilage
- Control all the materials and product components before they are incorporated into the final product
- Verify other aspects to match the master specifications or customers orders
- Perform product integrity, quality, safety and performance tests

2. Ready Product Inspections

- Check the size, weight, and other physical parameters of the ready product to ensure they suit specifications or standards
- When dealing with batches of products, perform storage/warehouse inspections by evaluating randomly selected samples of ready products
- Check product surfaces for visual defects, dents, cracks, abrasions, corrosion, etc
- Inspect the products' labeling, markings, placement of corporate and official logos, warning tags, stickers, etc; make sure everything is in place, noticeable, and readable;

3. Pre-shipment Inspection

- Conduct packaging inspections: check the quality of product packaging before shipping it to customers
- make sure it fits all requirements on airtightness, safety, shipping marks, etc;
- Inspect a set of documents encased within the product's packaging: make sure you have product bulletin, warranty coupons, promotional brochures, etc are in place;

Inspection Choices

Intertek

Valued Quality. Delivered.

- “ **Pre-Production Inspection (PPI)**
- “ **During Production Inspection**
(DPI or DuPro)
- “ **Final Random Inspection (FRI) or**
Pre-Shipment Inspection (PSI)
- “ **Container Loading Supervision (CLS)**



Complete Process: FRI + LAB + CLS

Pre-Production Inspection (PPI)

- identify defective materials or components prior to the production process, thereby minimizing the risk of non-conformities and allowing for timely corrections where necessary.

During Production Inspection (DuPro)

- checks semi-finished or finished goods part-way through the production process. Generally, this takes place when between 40% of the order has been produced and 20% export-packed. Doing so improves your control over production and allows for timely correction of defects and improvements to quality.

Final Random Inspection (FRI)/Pre-Shipment Inspection (PSI)

- ensures that the production complies with specifications and/or the terms of your purchase order. The Final Random Inspection (FRI), or Pre Shipment Inspection (PSI) checks finished products when at least 80% of your order has been produced and export-packed. Samples are selected at random, according to standards and procedures. Pre-shipment inspection can diminish risks inherent to internet commerce like phishing and fraud.

Container Loading Supervision (CLS)

- performed by the transport company or an independent body
- an inspection report or certificate is sent after inspection of the goods to the bank issuing the letter of credit and the buyer, initiating the money transfer.

During Production Inspection & Final Random Inspection – Common Points

Intertek

Valued Quality. Delivered.

- “ **External Control** : appearance of cartons, containers, labels, markings
- “ **Product Control**: visual checking of the product, net weight, sensory review, etc
- “ **Sampling** for laboratory analyses



Visual Checking of the Product: Sampling Plan & Acceptance Levels

Intertek

Valued Quality. Delivered.

Inspection Level I, QL = 6.5

Lot Size (N)	Sample Size (n)	Acceptance Number (c)
NET WEIGHT IS EQUAL TO OR LESS THAN 1KG		
4,800 or less	6	1
4,801 to 24,000	13	2
24,001 to 48,000	21	3
48,001 to 84,000	29	4
84,001 to 144,000	38	5
144,001 to 240,000	48	6
more than 240,000	60	7
NET WEIGHT IS GREATER THAN 1KG BUT NOT MORE THAN 4.5KG		
2,400 or less	6	1
2,401 to 15,000	13	2
15,001 to 24,000	21	3
24,001 to 42,000	29	4
42,001 to 72,000	38	5
72,001 to 120,000	48	6
more than 120,000	60	7
NET WEIGHT IS GREATER THAN 4.5KG		
600 or less	6	1
601 to 2,000	13	2
2,001 to 7,200	21	3
7,201 to 15,000	29	4
15,001 to 24,000	38	5
24,001 to 42,000	48	6
more than 42,000	60	7

Sampling During FRI

Intertek

Valued Quality. Delivered.

Sampling of products is done to verify:

- 1. Product Safety**
- 2. Quantity**
- 3. Workmanship**
- 4. Function**
- 5. Colour**
- 6. Size**
- 7. Packing**

These will ensure products are consistent and compliant with all country, industry or otherwise-specified requirements and that no critical major or minor defects appear.

Inspection Content - Specifics

Intertek

Valued Quality. Delivered.

- “ Sampling plan and acceptance criteria
- “ Measurements
- “ Visual Checking points



Specific operational procedure per product category and per client

FRI: Workflow

Intertek

Valued Quality. Delivered.



Frozen Fish: Sample Identification to Deglazing Weighing

Intertek

Valued Quality. Delivered.



Cargo condition at warehouse



Temp. checking in warehouse



Temp. checking in product



Temp. checking in product



Detail checking



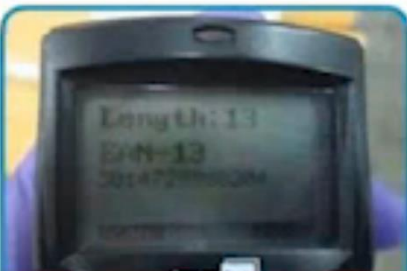
Barcode checking



Product appearance



Product



Barcode checking



Net weight checking



Deglazing



Deglaze weighing

Frozen Fish: Visual Checking of the Product

Intertek

Valued Quality. Delivered.



Canned Fruits – Can Defects



Swell



Puncture



Dent



Improper
seams



Cut seam

Final Random Inspection – Canned Fruit



Cargo condition at warehouse



Packaging checking



Can checking



Barcode on can



Barcode checking



Product code checking



Vacuum checking



Brix checking



pH checking



Drain weight



Can checking



Product checking

Container Loading Supervision

Intertek

Valued Quality. Delivered.

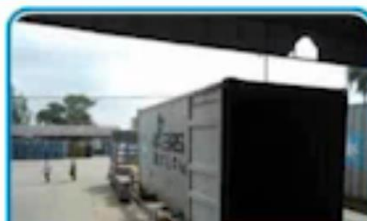
- ✓ Goods identification and checking of conformity with the client's order
- ✓ External and internal container checking before and after loading
- ✓ Packaging and temperature checking
- ✓ Sealing



Loading Supervision



Empty Container
condition



Outer container
condition



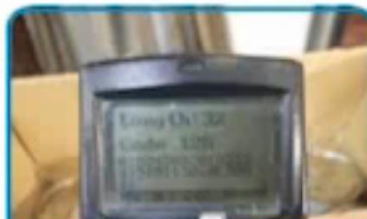
Container number



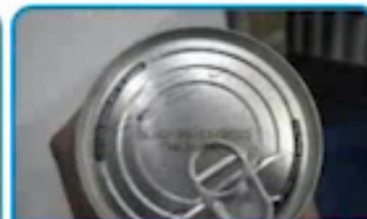
Temperature checking



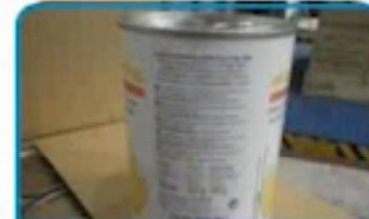
Master carton
checking



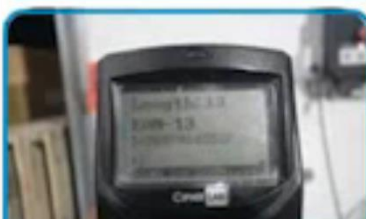
Barcode reader



Empty date checking



Can / labeling
checking



Barcode readable



Red label marked



Load completed



Sealed container

Decision Process : Acceptance or Rejection of the Lot



Valued Quality. Delivered.

A lot is said to be defective if:

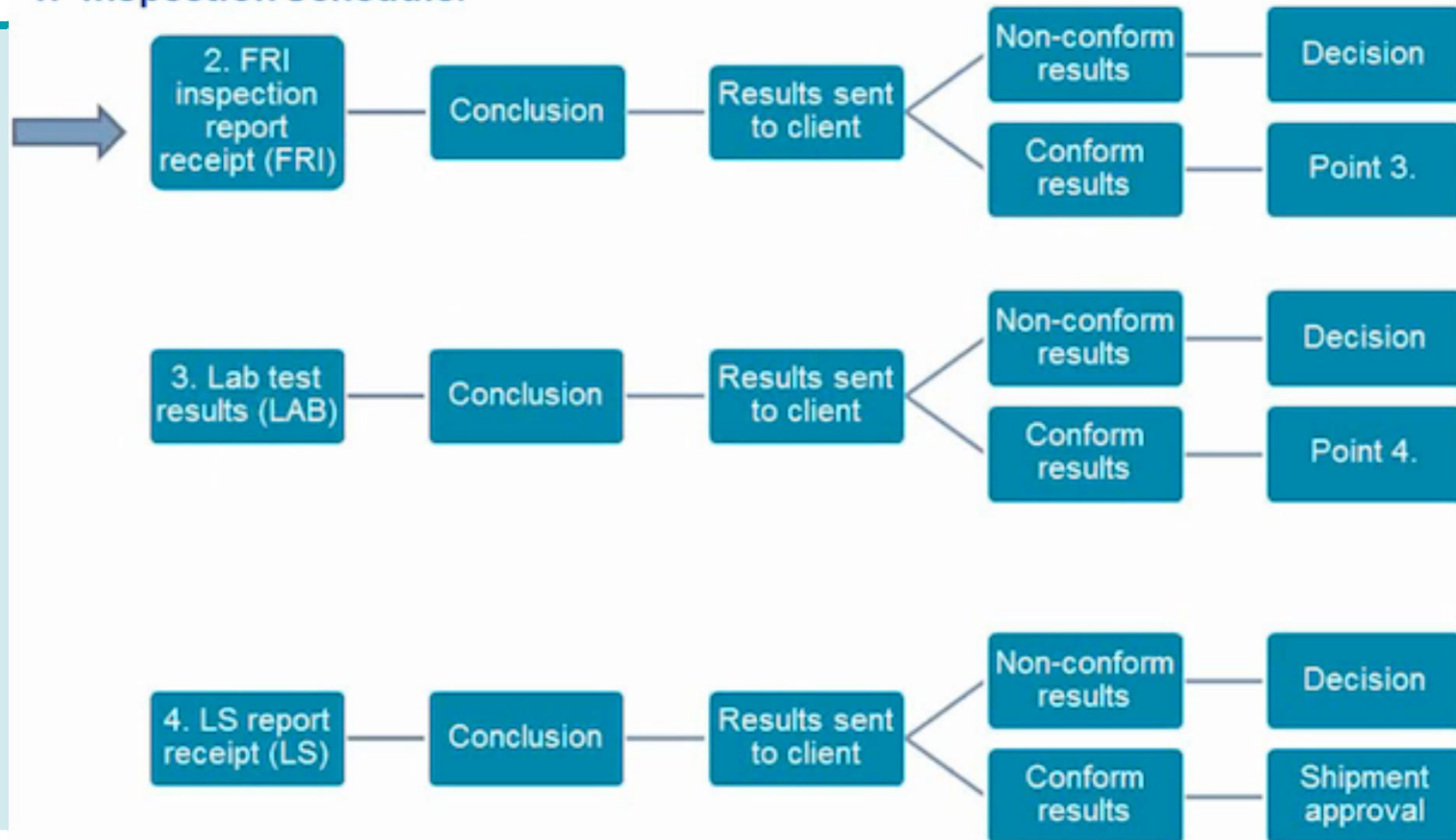
- ✓ the **package doesn't comply** with the requirements
- ✓ And/or if the **net weight does not comply** with requirements
- ✓ And/or if **the visual checking doesn't comply** with the requirements (critical/major NC, or NCs above the tolerances)

Global Decision Process (FRI+LAB+LS)

Intertek

Valued Quality. Delivered.

1. Inspection Schedule:



Conclusion

Intertek

Valued Quality. Delivered.



Thank You!

Intertek

Valued Quality. Delivered.

Valued Quality. Delivered.

