

# NexPhase QC

Quality Control Inspection Report

REPORT ID

**NQ-1042**

INSPECTION TYPE

**Pre-Shipment Inspection (PSI)**

PRODUCT

**Wireless Earbuds — Model BT-500**

MANUFACTURER

**ShenTech Electronics Co., Ltd.**

FACTORY LOCATION

**Longhua District, Shenzhen, Guangdong, China**

OVERALL VERDICT

**PASS**

## 01 EXECUTIVE SUMMARY

FIELD	DETAILS
Report ID	NQ-1042
Client	Mo — NexPhase QC Client Portal
Product	Wireless Earbuds — Model BT-500
Order Quantity	2,000 units
Manufacturer	ShenTech Electronics Co., Ltd.
Factory Address	Building 7, Longhua District, Shenzhen, Guangdong 518109, China
Inspection Type	Pre-Shipment Inspection (PSI)
Inspection Date	May 3, 2026
Inspector	Wei Zhang — Certified Inspector (CQIA)
AQL Standard	ISO 2859-1 · Level II · AQL 2.5
Sample Size	125 units (from 2,000)
Overall Result	<b>PASS</b>

## 02 INSPECTOR NOTES

Inspector Wei Zhang conducted a full pre-shipment inspection on May 3, 2026 at the ShenTech Electronics facility in Shenzhen. The inspection covered workmanship, function testing, AQL sampling, labeling, and packaging verification per the client's product specifications.

The production run was **100% complete** at the time of inspection with all 2,000 units available for sampling. The factory floor was organized and the quality team was cooperative and knowledgeable.

**Key Findings:** 3 minor defects were found in the sample of 125 units — a defect rate of 2.4%, which falls within the AQL 2.5 acceptable limit. The battery life test for 2 units fell slightly below spec (rated 8hrs, measured 7.6hrs) — flagged as a minor defect. All other checkpoints passed. The inspector recommends the client proceed with shipment.

## 03 AQL SAMPLING RESULTS

AQL Parameter	Value
Sampling Standard	ISO 2859-1 (ANSI/ASQ Z1.4)
Inspection Level	General Level II
AQL Limit	2.5 (Major) / 4.0 (Minor)
Lot Size	2,000 units
Sample Size Code	K

<b>Units Sampled</b>	125 units
<b>Critical Defects Found</b>	0
<b>Major Defects Found</b>	1 ← Accept (limit: ≤ 7)
<b>Minor Defects Found</b>	2 ← Accept (limit: ≤ 10)
<b>Total Defects</b>	3 (defect rate: 2.40%)
<b>AQL Decision</b>	<b>ACCEPTED — Proceed to Shipment</b>

## 04 QUALITY CHECKPOINT RESULTS

#	Checkpoint	Method	Qty Tested	Defects	Result
1	Workmanship & Visual Appearance	Visual 100%	125	0	PASS
2	Dimensions & Weight	Measuring tape / scale	10	0	PASS
3	Bluetooth Connectivity (range)	Live test 10m range	20	0	PASS
4	Battery Life (rated 8hrs)	Charge/drain cycle test	5	2	MINOR
5	Charging Port Functionality	USB-C connection test	20	0	PASS
6	Sound Quality / Volume	Audio test at 80%	10	0	PASS
7	Microphone Clarity	Recording playback test	10	0	PASS
8	Barcode / Serial Label Accuracy	Scanner verification	125	0	PASS
9	Packaging Integrity	Box, inserts, seals	25	1	MINOR
10	FCC / CE Marking on Label	Visual check	125	0	PASS
11	Color Accuracy vs. Sample	Color card comparison	20	0	PASS
12	Earbuds Fit in Case	Physical fitment	20	0	PASS

## 05 DEFECT LOG

Defect ID	Checkpoint	Classification	Description	Qty
D-001	Battery Life	Minor	Battery drained at 7.6hrs (spec: 8hrs). 2 of 5 units tested.	2
D-002	Packaging	Minor	Outer box corner crush on 1 unit. Contents undamaged.	1

## 06 PHOTO EVIDENCE

<b>[ Photo 01 ]</b> General workmanship — Front view of earbuds	<b>[ Photo 02 ]</b> General workmanship — Charging case	<b>[ Photo 03 ]</b> Label & barcode scan verification
<b>[ Photo 04 ]</b> Packaging — outer box condition	<b>[ Photo 05 ]</b> Defect D-001 — Battery drain test screen	<b>[ Photo 06 ]</b> Defect D-002 — Corner crush on outer box

Note: Full-resolution photos (50+ images) are attached in the supplementary photo package delivered separately.

## 07 INSPECTOR RECOMMENDATION

### Recommendation: PROCEED WITH SHIPMENT

Based on the inspection findings, the production lot meets the agreed quality standards under AQL Level II / 2.5. Minor defects (battery life slightly below spec on 2 units, 1 packaging crush) fall within acceptable limits. The inspector recommends the client authorize shipment. As a precaution, the client may wish to request the manufacturer re-test the 5 battery units flagged and confirm compliance before loading.

## 08 SIGN-OFF & CERTIFICATION

<b>Inspector Name</b>	Wei Zhang
<b>Inspector ID</b>	NXP-INS-0047
<b>Certification</b>	CQIA (Certified Quality Inspector — ASQ)
<b>Region</b>	Guangdong, China
<b>Inspection Company</b>	NexPhase QC LLC
<b>Report Generated</b>	May 3, 2026 at 7:22 PM CST
<b>Digital Signature</b>	<a href="#">WZ-20260503-NQ1042 [Verified]</a>

This report has been prepared in accordance with ISO 2859-1 sampling standards. NexPhase QC LLC certifies that the inspection was conducted by a qualified, independent inspector with no financial interest in the outcome. All findings are based on the sample inspected on the date noted above.