


INSPECTION REPORT

To :		Date:	22-Nov-2024
Att :			
From :		E-mail :	

SGS File No.:		Product family view
Buyer :		
Supplier :		
Manufacturer :		
Style Number:	INR21700-50G	
Product description:	1# Cells brand: Samsung SDI; 2# Cells model: 50GB;	
P.O. Number:		
L/C Number:	N/A	
Service performed :	FRI	
Inspection Date :	22-Nov-2024	
Inspection Location :	Suzhou, Jiangsu, China	

Inspection Criteria

Reference sample provided by	Not Available
Client instruction/specification	Yes
SGS WI number	[REDACTED]
Other	N/A

Overall Inspection Conclusion:

Subject to client's evaluation

Inspection Summary:

1. Quantity :	Conform
2. Style, color :	Subject to client's evaluation
3. Workmanship appearance / function :	Conform
4. Data measurement / field tests:	Subject to client's evaluation
5. Packing :	Subject to client's evaluation
6. Marking / label :	Subject to client's evaluation

Inspector: [REDACTED]

Factory Representative: [REDACTED]

Problem Remark:

1. For Charging function check, Fully charging test (Charging time check), Over charge protection function check, Open circuit voltage (OCV) measurement after fully charging test, Internal impedance measurement after measurement after fully charging test, End voltage measurement after fully discharged, Internal impedance measurement after fully discharged, Over discharge protection function check, External short circuit test: The factory provide test report during inspection, and the factory claim this has been confirmed with the client.
2. For Capacity measurement for fully charged batteries: The factory claim there was not enough time to do this test, and the test report was provided during inspection.
3. Actual found the marking on battery cell was not conformed to client's spec, and no "Samsung" marking on heat shrink film.



Actual found



Client's spec

4. Factory didn't agree us to perform export carton drop test during inspection.

1. **Quantity:** Conform

No	Style / Item/ Article	P.O. No.	Order Qty.	Inspection Qty. (Presented Qty. for insp.)		Number of Cartons	
				Packed	Not Packed	Packed	Not packed
1	INR21700-50G	JCPI20241022_ROT-1	128700	128700	0	990	0
Total:			128700	128700	0	990	0

2. **Style & Color Conformity:** Subject to client's evaluation

Comments:
Please see photo

Inspector: [REDACTED]

Factory Representative: [REDACTED]

D03 Foreign object inside heat shrink film

D04 Scratch mark on unit surface

4. Product-Specific Data Measurement / Field Test on Reduced Sample Size: Subject to client's evaluation

Important Notice: The results of the simulating testing on site reflect the findings at the time of the testing only and might not as expected be identical to the results of the conformity to the standards due to limitation of testing environment, conditions, even the variance of testing methods.

Check points	Qty	Test Result	Specification/Tolerance
Packaging check	500	Pass	Internal WI PS
Product identification check	500	Pass	Internal WI PS
Visual appearance and workmanship check	500	Pass	Internal WI PS
Open circuit voltage (OCV) measurement	500	Pass 3.566~3.570V	Client's spec: 3.530V ~ 3.630V
Internal impedance measurement	500	Pass 11.573~12.086 mΩ	Client's spec: 13.0±5.0mΩ
Charging function check	500	Pending for remark Factory provided test report: Test 3pcs sample	Internal WI
Fully charging test (Charging time check)	3	Pending for remark Factory provided test report: 2H13M,2H12M,2H11M	Client's spec: 4hours
Over charge protection function check	3	Pending for remark Factory provided test report	Internal WI Factory method / PS
Open circuit voltage (OCV) measurement after fully charging test	3	Pending for remark Factory provided test report: 4.191,4.191,4.190V	Client's spec: <4.2V
Internal impedance measurement after measurement after fully charging test	3	Pending for remark Factory provided test report: 14.91,15.07,14.78mΩ	Client's spec: 13.0±5.0mΩ
Capacity measurement for fully charged batteries	3	Pending for remark Factory provided test report: 4935.94,4960.52,4969.95mAh	Client's spec: ≥ 4,900mAh
End voltage measurement after fully discharged	3	Pending for remark Factory provided test report: 2.878,2.868,2.876V	Client's spec: >2.5V
Internal impedance measurement after fully discharged	3	Pending for remark Factory provided test report: 15.54,15.78,15.41mΩ	Client's spec: 13.0±5.0mΩ
Over discharge protection function check	3	Pending for remark Factory provided test report	Internal WI Factory method / PS
External short circuit test	3	Pending for remark Factory provided test report	Internal WI Factory method / PS
Rubbing test on the marking	3	Pass	Internal WI
Bar code scanning check	3	Pass	Internal WI PS

 Inspector: [REDACTED]

 Factory Representative: [REDACTED]

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Product outer dimension check	3	Pass Φ21.21x70.69mm Φ21.27x70.64mm Φ21.20x70.63mm	Client's spec: Cell height: Max.70.90mm Top Diameter: Φ Max.21.50mm
Product net weight check	3	Pass 69, 69, 69g	Client's spec: 72.5g max
Export carton dimension & gross weight check	1	Data 37.8x31.0x8.7cm/9.579kg	Internal WI PS
Export carton drop test	1	Pending for remark Factory refused	Internal WI

Plug Check : No plug applicable

[REDACTED]	
Photo of plug:	N/A

5. Packing: Subject to client's evaluation

Check points	Result/Finding	Reference
5.1 Individual packing check :	Subject to client's evaluation	Please see photo
5.2 Inner packing check :	Not Applicable	N/A
5.3 Export packing check :	Subject to client's evaluation	Please see photo
5.4 Samples selected from carton numbers:	Total 32 cartons were randomly selected for inspection.	

6. Marking / Label: Subject to client's evaluation

Check points	Result/Finding	Reference (Refer to: Reference sample, SOP, Artworks, Test report, or others)
6.1 Shipping mark on cartons :	Subject to client's evaluation	Please see photo
6.2 Brand/Logo :	Subject to client's evaluation	Please see photo
6.3 Rating label :	Subject to client's evaluation	Please see photo
6.4 Mark and description on giftbox :	Subject to client's evaluation	Please see photo
6.5 User manual :	Not Applicable	N/A

7. Informative Remark:

Inspector: [REDACTED]

Factory Representative: [REDACTED]

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7.1 Country of origin:	"Made in China" on export carton.
7.2 Approval mark:	Please see photo
7.3 Recycle mark:	Please see photo
7.4 Other marks or labels:	Please see photo
7.5 Language of IM/GB:	N/A
7.6 Date code or batch number:	"2024/04/13" and "2024/04/14" on export carton.
7.7 Serial Number range:	N/A
7.8 Carton Number range:	N/A
7.9 Sealed shipment sample:	10pcs shipment sample were sealed in factory, and the serial number of the sticker was 4443527~4443529.
7.10 Others:	N/A

8. Inspection Environment:

Lighting : Daylight
Sufficient

Inspection place : Other

Inspection done on: Table

Cleanliness : Clean

Weather condition: Dry

Cargo condition : Orderly, easy to count

9. Attachment



Inspector: [REDACTED]

Factory Representative: [REDACTED]



003 pallets.JPG



004 export carton.JPG



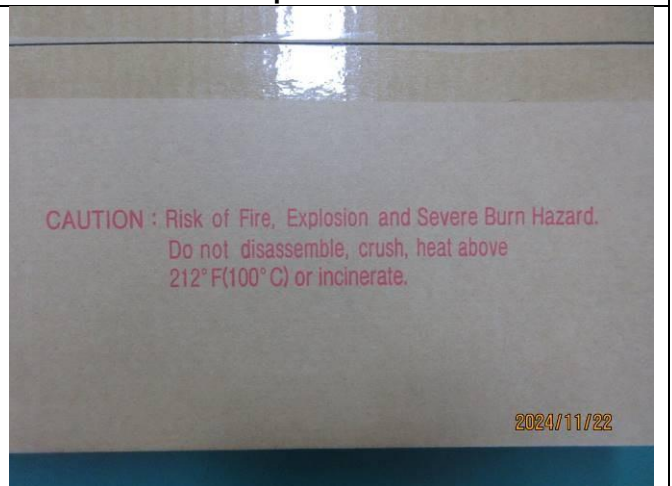
005 export carton.JPG



006 export carton.JPG



007 export carton.JPG



008 export carton.JPG

Inspector: [REDACTED]

Factory Representative: [REDACTED]

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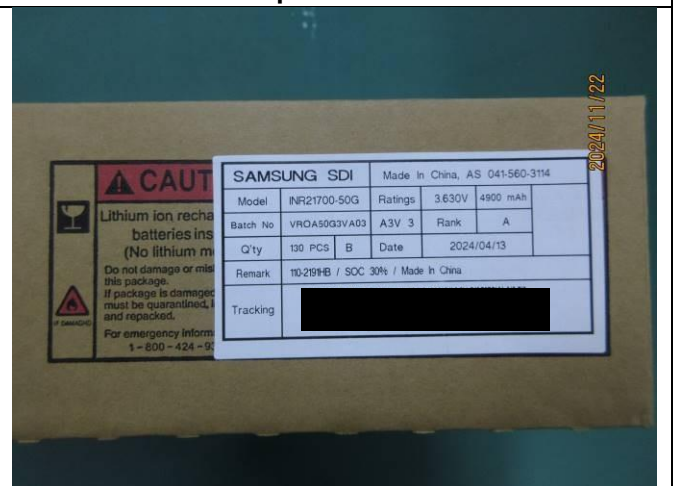
009 export carton.JPG



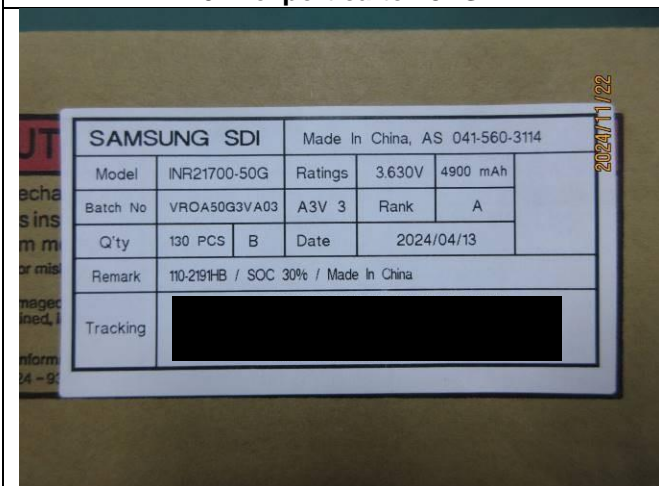
010 export carton.JPG



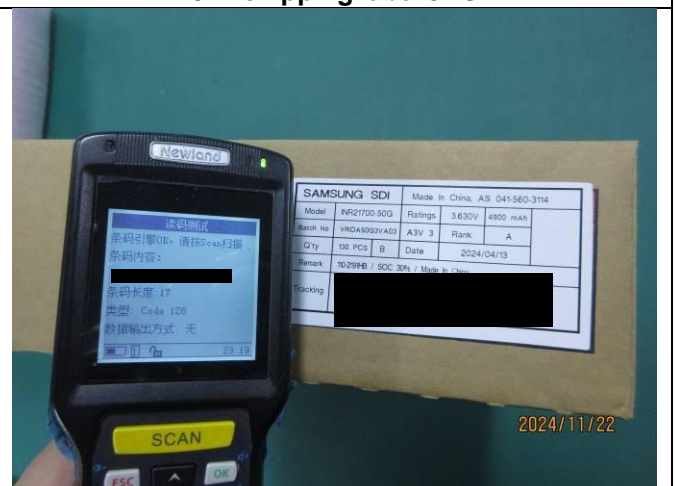
011 export carton.JPG



012 shipping label.JPG



013 shipping label.JPG



014 barcode scan.JPG

Inspector: [REDACTED]

Factory Representative: [REDACTED]

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015 export carton.JPG



016 export carton.JPG



017 export carton.JPG



018 export carton.JPG



019 export carton.JPG



020 export carton.JPG

Inspector: [REDACTED]

Factory Representative: [REDACTED]



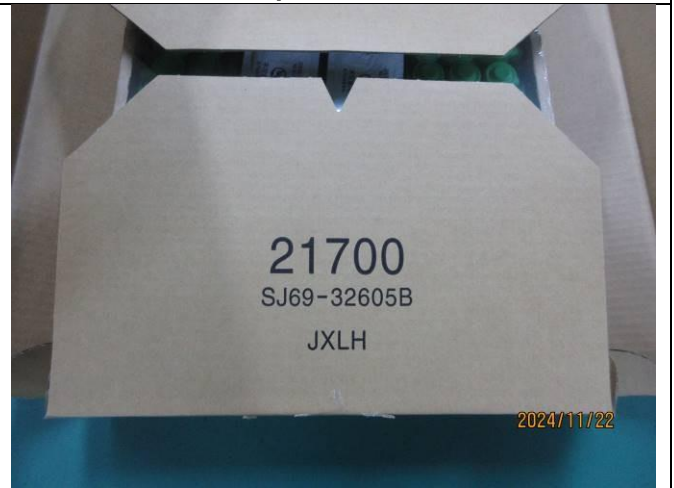
021 export carton.JPG



022 export carton.JPG



023 export carton.JPG



024 export carton.JPG



025 packing.JPG



026 packing.JPG

Inspector:



Factory Representative:



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027 packing.JPG



028 packing.JPG



029 packing.JPG



030 packing.JPG



031 label.JPG



032 barcode scan.JPG

Inspector: [REDACTED]

Factory Representative: [REDACTED]



033 barcode scan.JPG



034 packing.JPG



035 silica gel.JPG



036 silica gel.JPG



037 packing.JPG



038 unit.JPG

Inspector:



Factory Representative:



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039 QR code scan.JPG

040 marking.JPG

041 marking.JPG

042 unit.JPG

043 marking.JPG

044 marking.JPG

Inspector: [REDACTED]

Factory Representative: [REDACTED]

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045 unit.JPG



046 unit.JPG



047 weight check.JPG



048 weight check.JPG



049 size check.JPG



050 size check.JPG

Inspector:



Factory Representative:



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[Rev.03: Aug.3rd.2023]



051 OCV and Internal impedance test.JPG



052 Rubbing test.JPG



053 Sealed 10pcs sample.JPG



054 Sealed 10pcs sample.JPG



055 Sealed 10pcs sample.JPG



056 Sealed 10pcs sample.JPG

Inspector: [REDACTED]

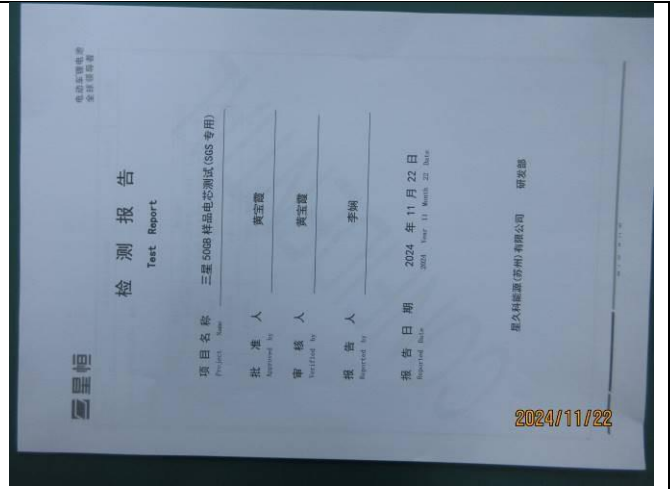
Factory Representative: [REDACTED]

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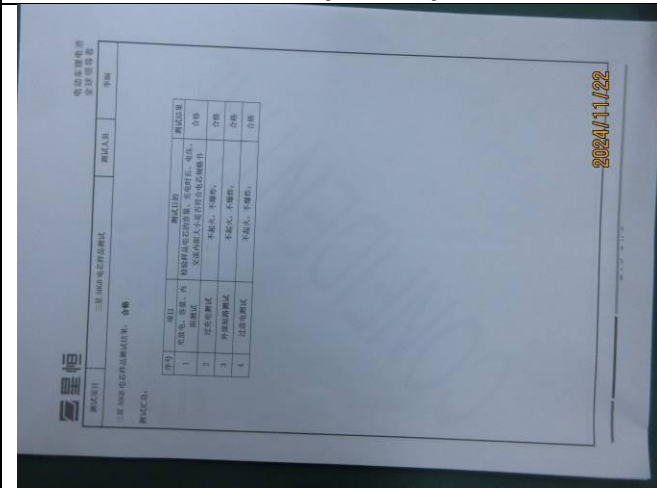
[Rev.03: Aug.3rd.2023]



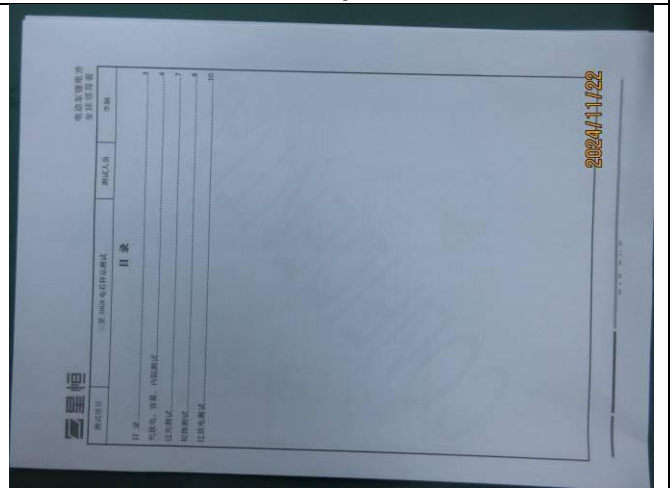
057 Sealed 10pcs sample.JPG



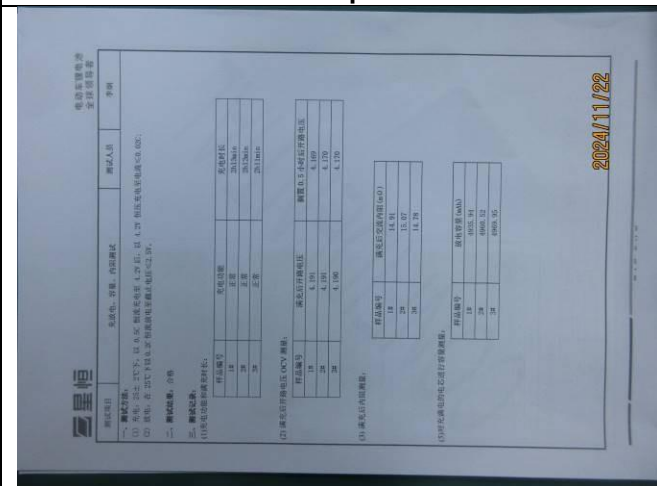
058 test report.JPG



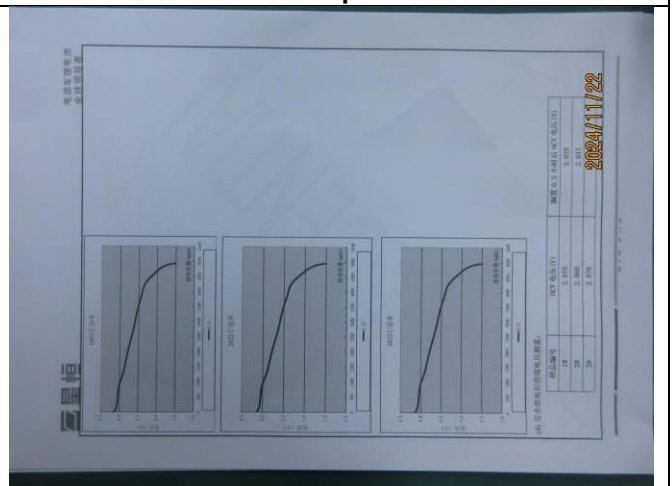
059 test report.JPG



060 test report.JPG



061 test report.JPG

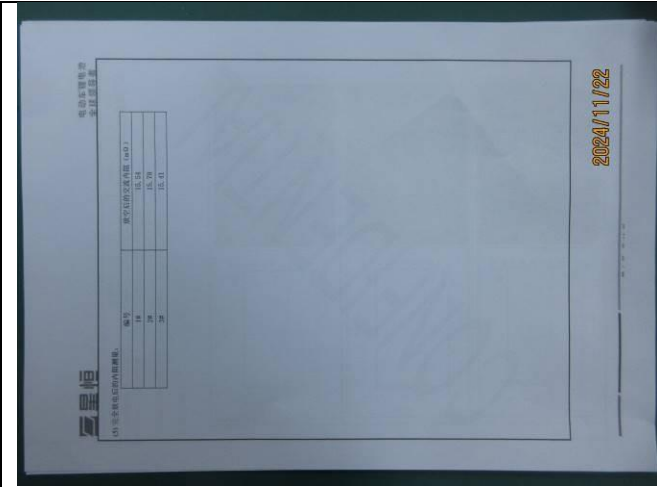


062 test report.JPG

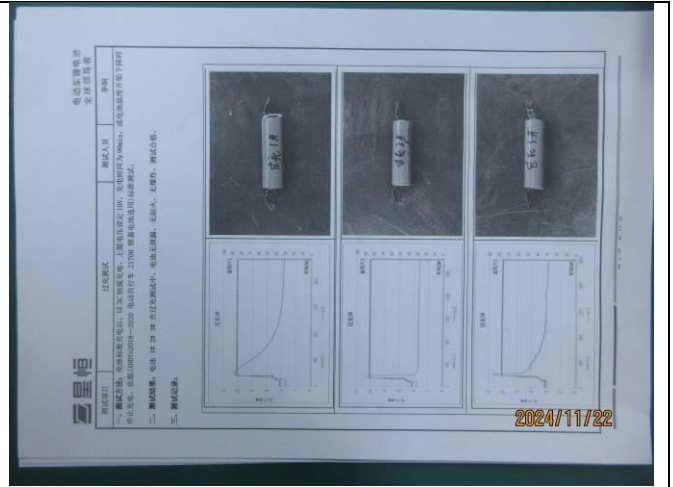
Inspector: [REDACTED]

Factory Representative: [REDACTED]

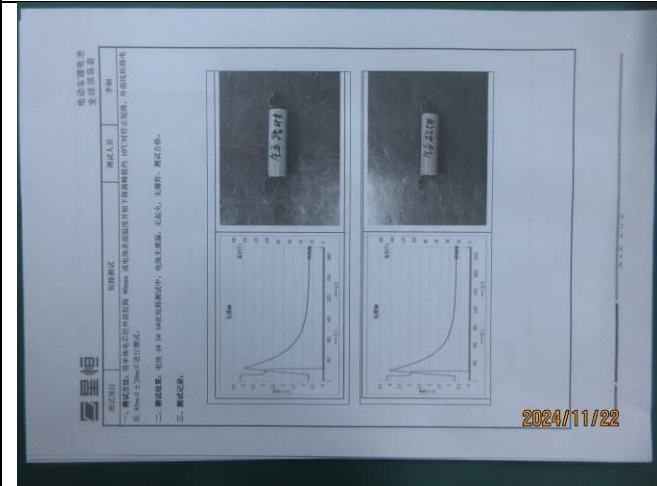
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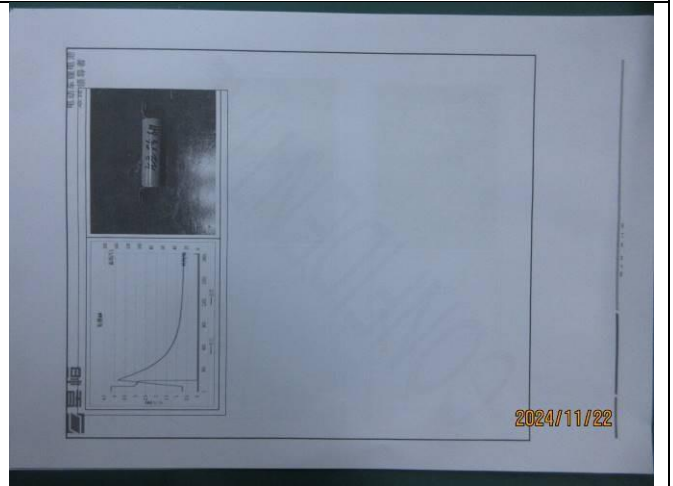
063 test report.JPG



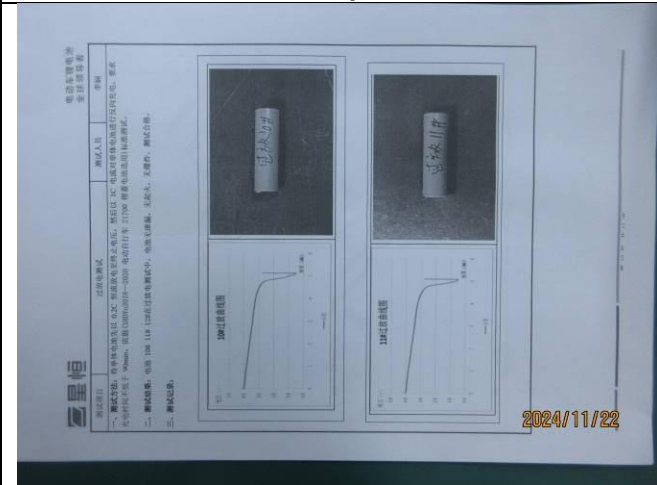
064 test report.JPG



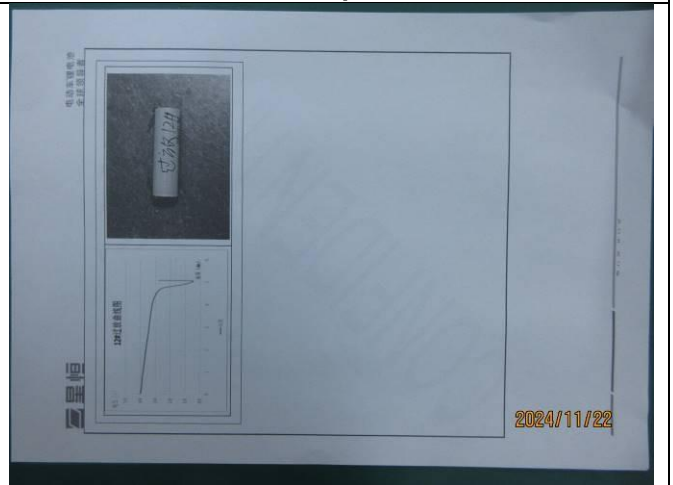
065 test report.JPG



066 test report.JPG



067 test report.JPG

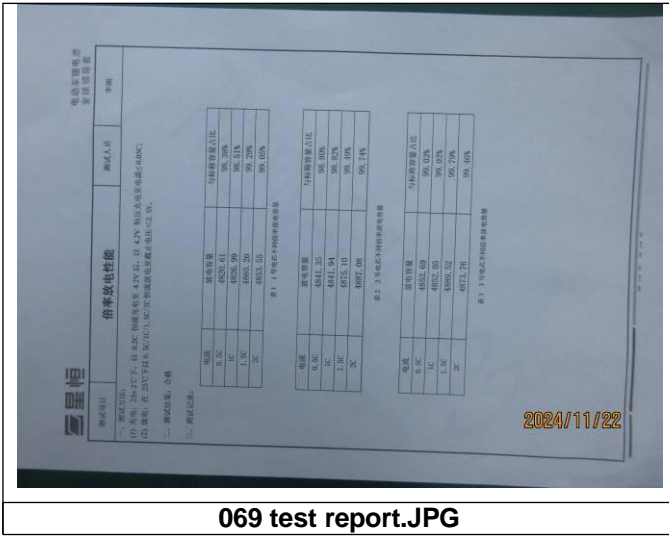


068 test report.JPG

Inspector: [REDACTED]

Factory Representative: [REDACTED]

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069 test report.JPG

Inspector:



Factory Representative:



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