

Test Report

No.: TSNEC25000783401

Date: Mar 14, 2025

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Client Name:

Client Address:

Sample Name:

NI-MHRECHARGEABLE BATTERY

Client Ref. Information:

NI-MH Cylindrical Rechargeable Battery:

NI-MH: AA100mAh AA150mAh AA200mAh AA250mAh AA300mAh
AA350mAh AA400mAh AA450mAh AA500mAh AA600mAh AA700mAh
AA800mAh AA900mAh AA1000mAh AA1100mAh AA1200mAh AA1300mAh
AA1400mAh AA1500mAh AA1600mAh AA1700mAh AA1800mAh
AA1900mAh AA2000mAh AA2100mAh AA2200mAh AA2300mAh
AA2400mAh AA2500mAh AA2600mAh

NI-MH: AAA100mAh AAA150mAh AAA200mAh AAA250mAh AAA300mAh
AAA350mAh AAA400mAh AAA450mAh AAA500mAh AAA600mAh
AAA700mAh AAA800mAh AAA900mAh AAA1000mAh

NI-MH: 1/3AAA80mAh 1/3AAA100mAh 1/3AAA120mAh 1/3AAA150mAh
1/3AAA180mAh 1/3AAA200mAh

NI-MH: 2/3AA100mAh 2/3AA150mAh 2/3AA200mAh 2/3AA250mAh
2/3AA300mAh 2/3AA350mAh 2/3AA400mAh 2/3AA450mAh 2/3AA500mAh
2/3AA550mAh 2/3AA600mAh

NI-MH: 2/3AAA100mAh 2/3AAA150mAh 2/3AAA200mAh 2/3AAA250mAh
2/3AAA300mAh 2/3AAA350mAh 2/3AAA400mAh 2/3AAA450mAh
2/3AAA500mAh 2/3AAA550mAh 2/3AAA600mAh

NI-MH: SC600mAh SC700mAh SC800mAh SC900mAh SC1000mAh
SC1100mAh SC1200mAh SC1300mAh SC1400mAh SC1500mAh
SC1600mAh SC1700mAh SC1800mAh SC1900mAh SC2000mAh
SC2100mAh SC2200mAh SC2300mAh SC2400mAh SC2500mAh

SC2600mAh SC2700mAh SC2800mAh SC2900mAh SC3000mAh
NI-MH: C1500mAh C1800mAh C2000mAh C2500mAh C3000mAh
C3500mAh C4000mAh

NI-MH: D3000mAh D3500mAh D4000mAh D4500mAh D5000mAh
D6000mAh D7000mAh D8000mAh

NI-MH Button Rechargeable Battery:

NI-MH: 40mAh 60mAh 80mAh

(1.2V 2.4V 3.6V 4.8V 6.0V 7.2V 8.4V 9.6V 10.8V 12V), etc.
portable batteries (non portable zinc-air button cells)

Sample Type:

The above sample(s) and information were provided by the client.

Signed for and on behalf of

SGS-CSTC Standards Technical Services (Tianjin) Co., Ltd.

Reabeca Zhou

Reabeca Zhou

Approved Signatory

Scan to see the report



7B002F59



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SGS Job No.: TJP25-001276
Sample Receiving Date: Mar 10, 2025
Testing Period: Mar 10, 2025 ~ Mar 13, 2025
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Annex I of Regulation (EU) 2023/1542– Heavy Metals Content in batteries and waste batteries	Pass
Statutory Instruments 2008 No. 2164 Environmental Protection in United Kingdom– The Batteries and Accumulators (Placing on the Market) Regulations 2008 (as amended) and the Waste Batteries and Accumulators Regulations 2009 (as amended) - Heavy Metals Content in Batteries and Accumulators	Pass

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A	TSN25-0007834-0001	green battery

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) “-“ = Not Regulated

Annex I of Regulation (EU) 2023/1542– Heavy Metals Content in batteries and waste batteries

Test Method: SGS In House Method, analysis was performed by ICP-OES or AAS or Hg-analyzer.

Test Item(s)	Limit	Unit(s)	MDL	A
Lead(Pb)	0.01	%	0.0010	ND
Cadmium(Cd)	0.002	%	0.0010	ND
Mercury(Hg)	0.0005	%	0.0001	ND
Conclusion				Pass

Notes:

- (1) Restriction on substances

Column 1 Designation of the substance or group of substances	Column 2 Conditions of restriction
1. Mercury CAS No 7439-97-6 EC No 231-106-7 and its compounds	Batteries, whether or not incorporated into appliances, light means of transport or other vehicles, shall not contain more than 0,0005 % of mercury (expressed as mercury metal) by weight



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2. Cadmium CAS No 7440-43-9 EC No 231-152-8 and its compounds	Portable batteries, whether or not incorporated into appliances, light means of transport or other vehicles, shall not contain more than 0,002 % of cadmium (expressed as cadmium metal) by weight
3. Lead CAS No 7439-92-1 EC No 231-100-4 and its compounds	1. From 18 August 2024, portable batteries, whether or not incorporated into appliances, shall not contain more than 0,01 % of lead (expressed as lead metal) by weight. 2. The restriction set out in point 1 shall not apply to portable zinc-air button cells until 18 August 2028.

(2) According to the EU New Battery Regulation (EU) 2023/1542, portable batteries (non portable zinc-air button cells) containing between 0,004 %-0.01 % lead, shall be marked with the chemical symbol for the metal concerned: Pb.

Statutory Instruments 2008 No. 2164 Environmental Protection in United Kingdom– The Batteries and Accumulators (Placing on the Market) Regulations 2008 (as amended) and the Waste Batteries and Accumulators Regulations 2009 (as amended) - Heavy Metals Content in Batteries and Accumulators

Test Method: SGS In House Method, analysis was performed by ICP-OES or AAS or Hg-analyzer.

Test Item(s)	Limit	Unit(s)	MDL	A
Lead(Pb)	-	%	0.0010	ND
Cadmium(Cd)	0.002	%	0.0010	ND
Mercury(Hg)	0.0005	%	0.0001	ND
Conclusion	Pass			

Notes:

(1) Results shown are of total weight of the battery sample.

(2) According to the Statutory Instruments 2008 No. 2164 Environmental Protection in United Kingdom and its amendments, all types of battery shall include the chemical symbol Lead when containing more than 0.004% of Pb.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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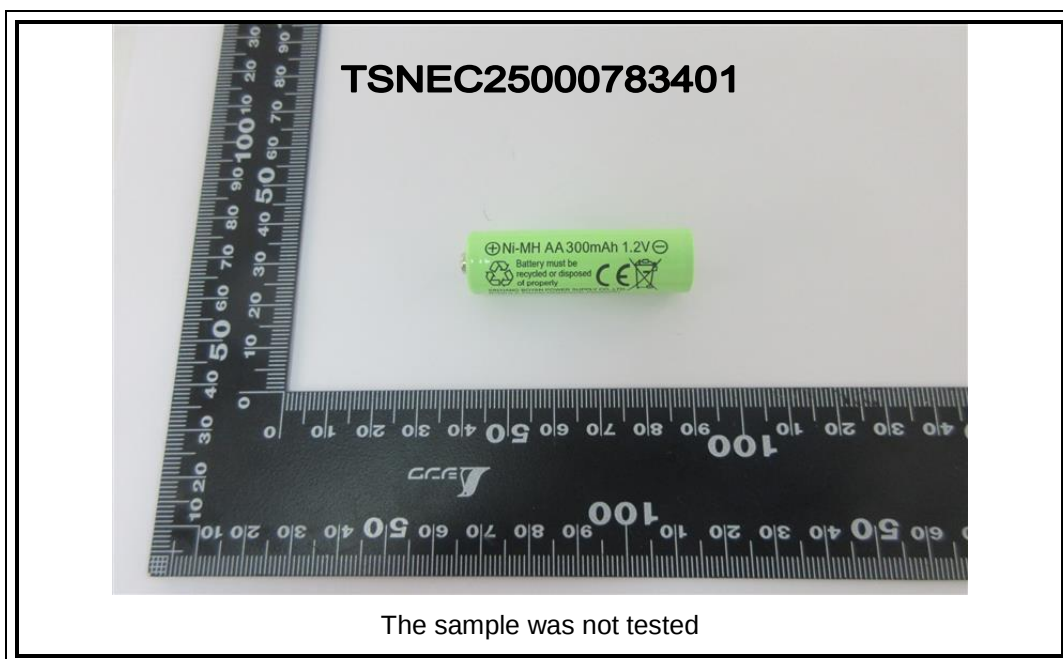
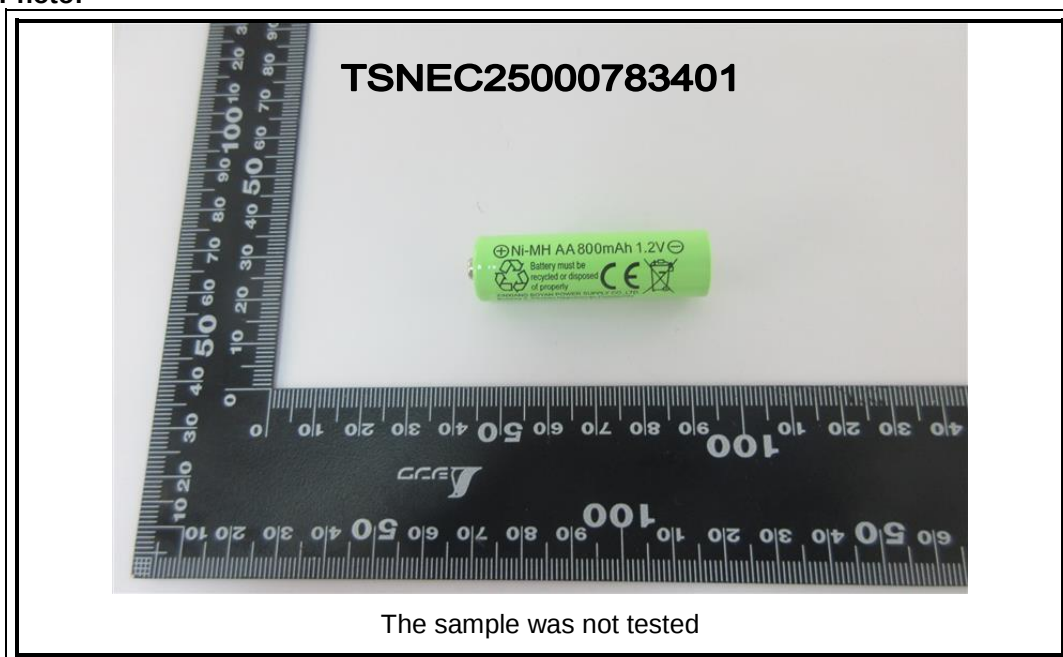
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Sample Photo:



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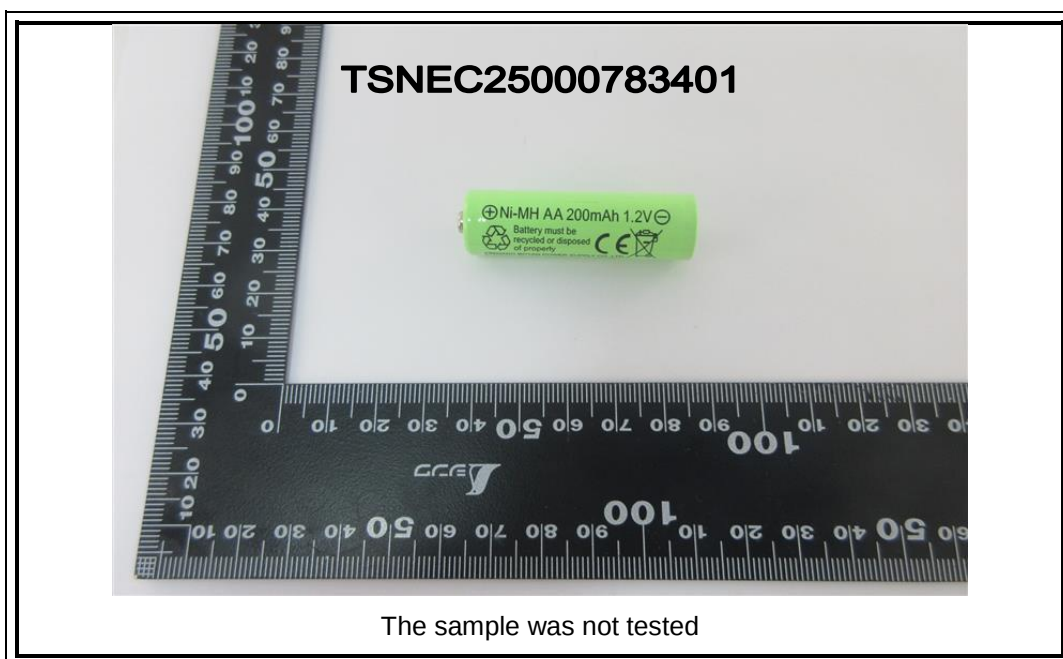
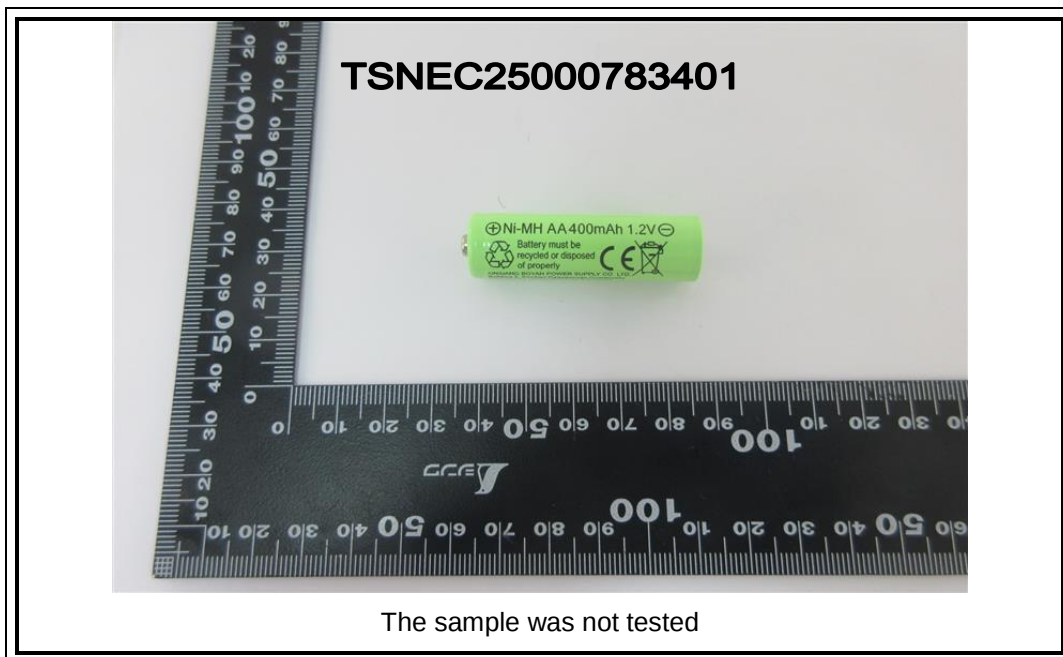
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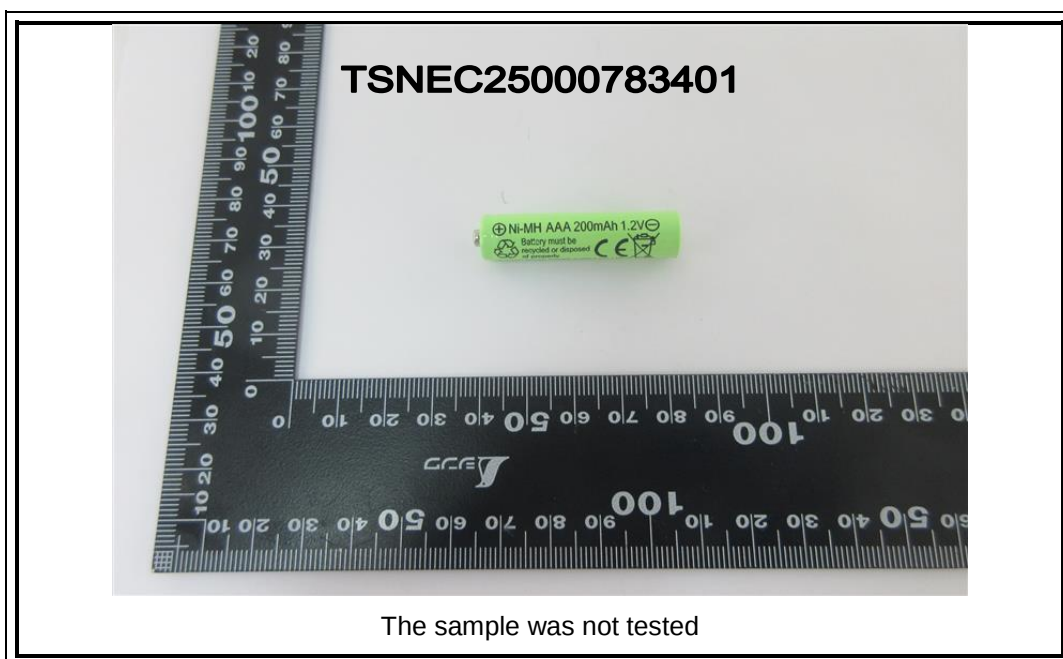
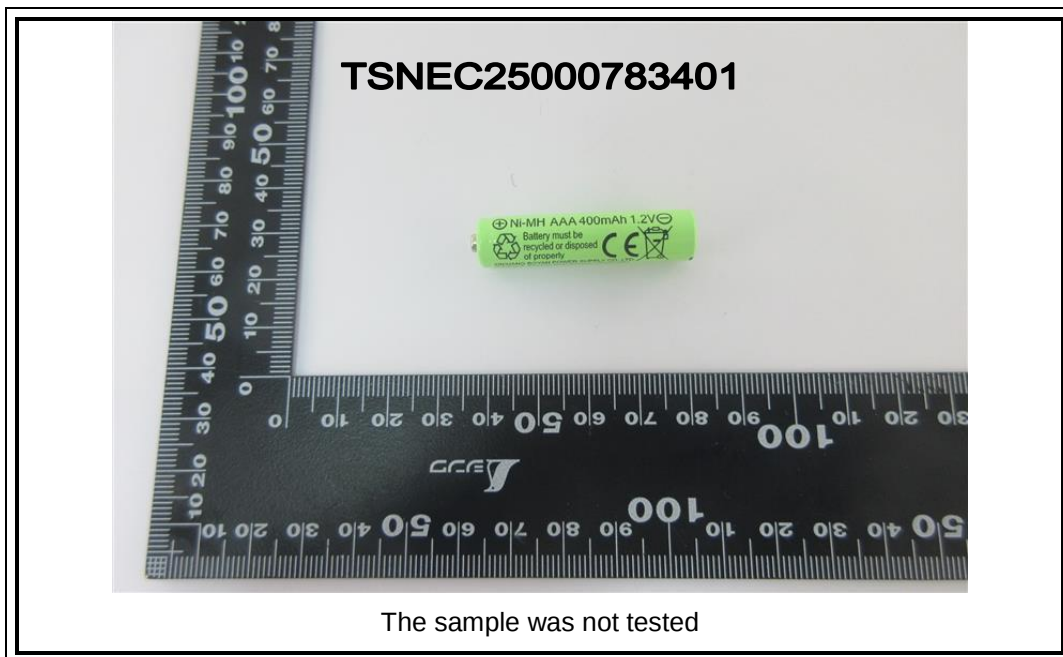
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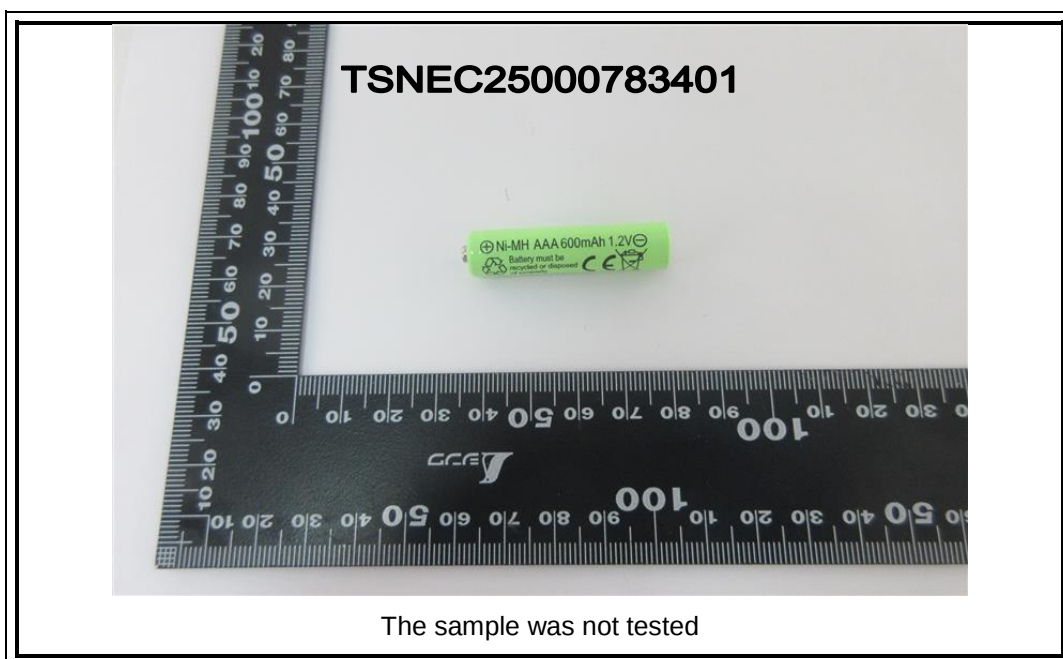
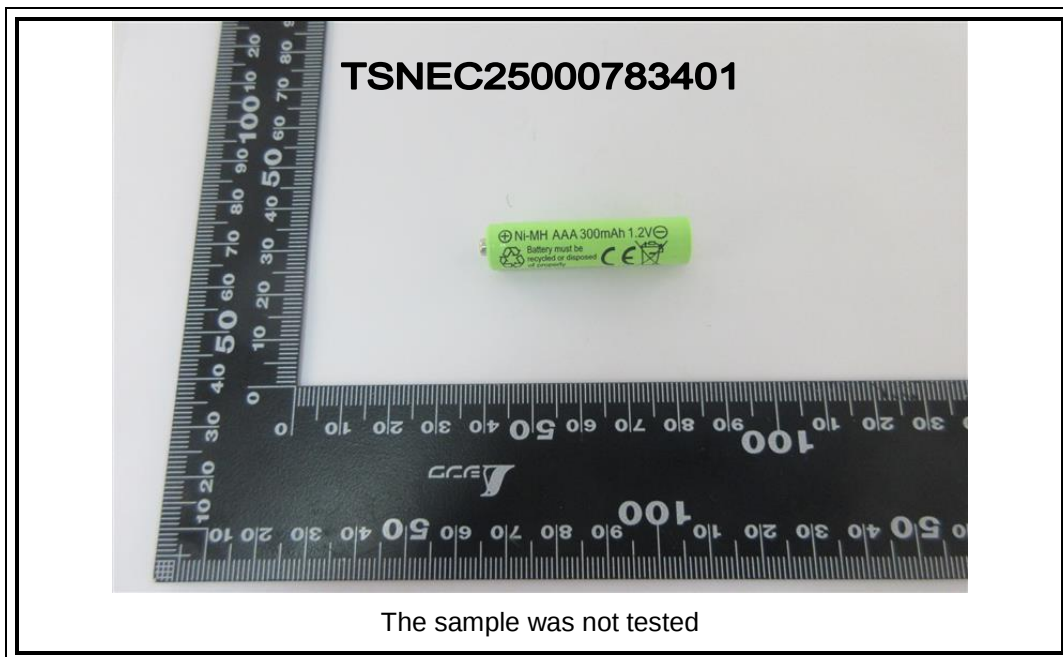
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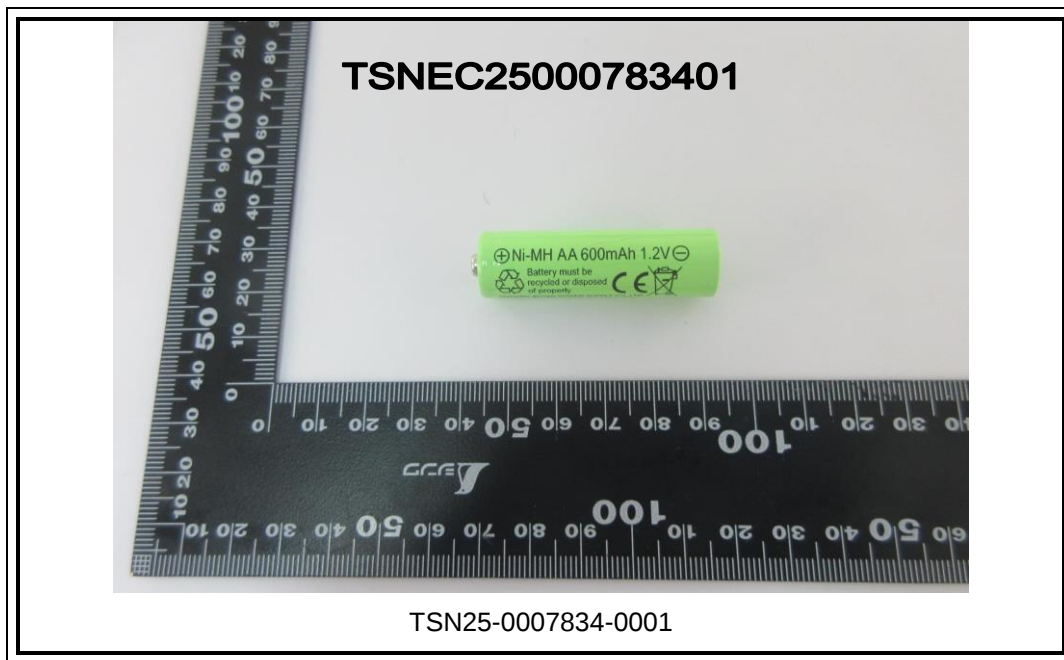
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