SANYO Energy (S) Corp., Pte. Ltd.

260 Orchard Road #14-01
The Heeren, Singapore 238855
Tel: 7363100 Fax: 7361230

Product Specifications

Model No.:GP1604A

1. APPLICABILITY

This specification is applicable to GP Super Alkaline grade batteries. (GP model no. : GP1604A).

2. TYPE

Six layers built alkaline manganese batteries.

3. NOMINAL VOLTAGE

9 Volts.

4. TERMINALS

Nickel plated miniature snap fasteners.

5. SHELL

Printed metal jacket.

6. IDENTIFICATION

Expiry code of 4 digits will be printed on the bottom of each battery .

7. QUALITY REQUIREMENT

7.1 Conventions:

n = Number of batteries to be tested.
c = Permissible number of defects.
k = Actual number of defects.
x = Average of (n-k) good result.
N0 = Test within 3 months of delivery.
N12 = Test within 12 months of manufacture code.
N18 = Test within 18 months of manufacture code.
N36 = Test within 36 months of manufacture code.

7.2 Test conditions:

7.2.1 All tests (Voltage, Storage, Service life etc) shall be performed at ambient temperature of 25 ±2°C and relative humidity of 60 ±15%.

7.2.2 Voltmeter shall has resolution of ± 0.01 V and with internal impedance of 1 MΩ mininum.

7.2.3 Unless otherwise stated, samples for acceptance testing shall be selected per MIL-STD-105E, LEVEL II normal inspection.

7.3 Open circuit voltage [OCV]

	Minimum voltage	AQL
N0	9.30V	0.65%
N12	9.20V	0.65%
N36	8.70V	0.65%

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7.4 Closed circuit voltage [CCV] (Load 47Ω for 0.3 seconds).

	Minimum voltage	AQL
N0	7.60V	0.65%
N12	7.40V	0.65%
N36	7.25V	0.65%

7.5 Service life (Batteries tested shall comply with either one of the following requirements.)
7.5.1 Requirements

Resistance	Discharge duration	End Voltage	SPECIFICATIONS (Hrs)					
			N0		N12		N36	
			Mean	Min	Mean	Min	Mean	Min
180Ω	Continuous	5.40V	12.0	9.6	10.8	8.7	10.0	7.8
	30 min/day	4.80V	12.5	9.6	11.2	8.7	10.5	7.8
270Ω	1hr/day	5.40V	18.0	16.5	16.2	14.8	14.6	13.4
620Ω	2hrs/day	5.40V	45.0	40.5	40.5	36.5	36.5	32.9

7.5.2 n=10, c=1. In case of k=2, one retest is allowed.

7.6 External leakage
7.6.1 No battery shall leak during the service life tests before the end point voltage is reached.

7.6.2 For undischarged batteries.

	AQL
N0	0.65%
N12	0.65%
N18	0.65%

7.7 Appearance

	AQL
Major defects	0.65%
Minor defects	0.65%

Major defects 1) Loose or damaged terminals
2) Incorrect polarity.
3) Visible rust on metal parts.

Minor defects 1) Substandard appearance.
2) Heavy scratches.
3) Serious deformation.
4) Serious displacement of artworks.

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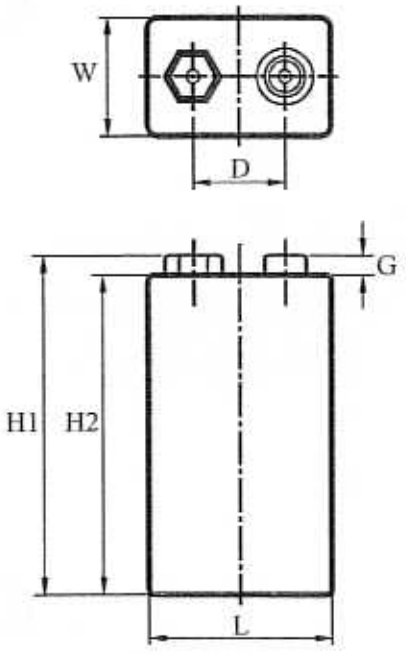
8. CONTENT OF MERCURY AND CADMIUM

8.1 Mercury - 1ppm maximum per battery weight.
8.2 Cadmium - 1ppm maximum per battery weight.

9. BATTERY DIMENSIONS

Dimensions



UNIT : mm
L: 25.5 ± 1.0
W: 16.5 ± 1.0
H1: 47.5 ± 1.0
H2: 44.7 ± 1.5
D: 12.7 ± 0.25
G: 1.78mm (Min.)

Dimensions shown are
IEC/ANSI Standard.

→ MS. TAKADA

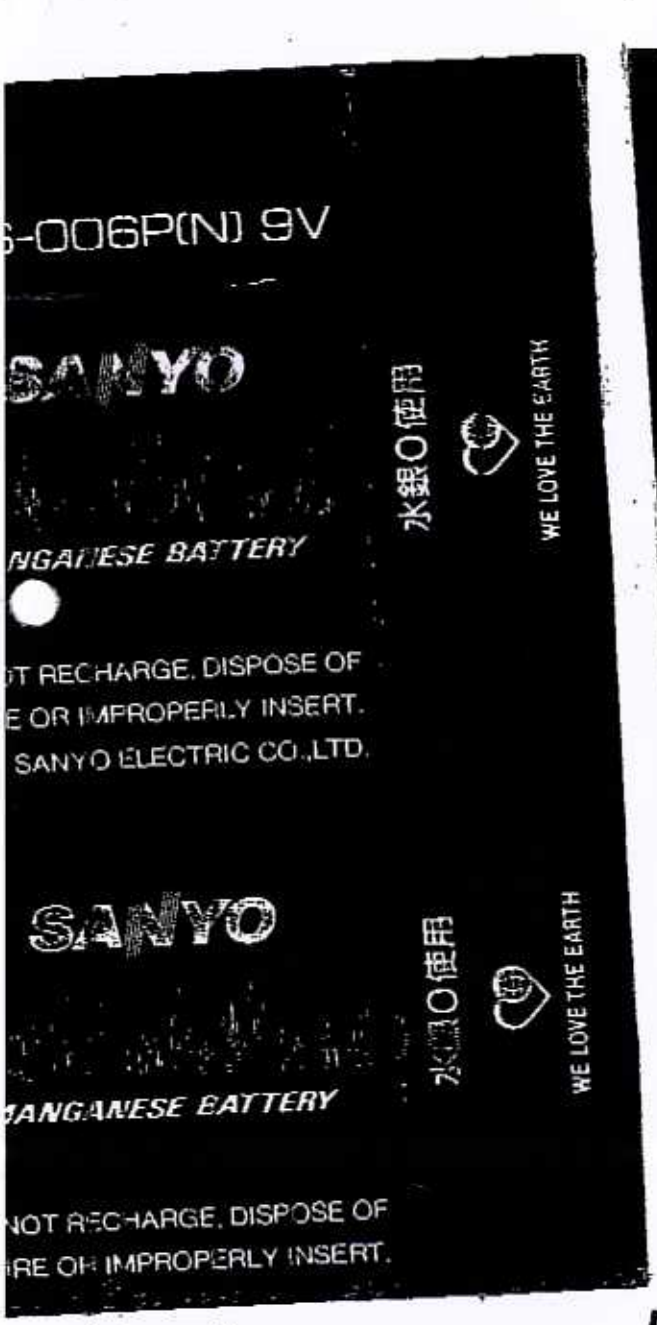
N. MR Imanishi / SANYO Singapore

M. WADA / GPI 10/11

9V の SPEC は明日 FAX 致します

(新) リサイクル マーク付き

英語版



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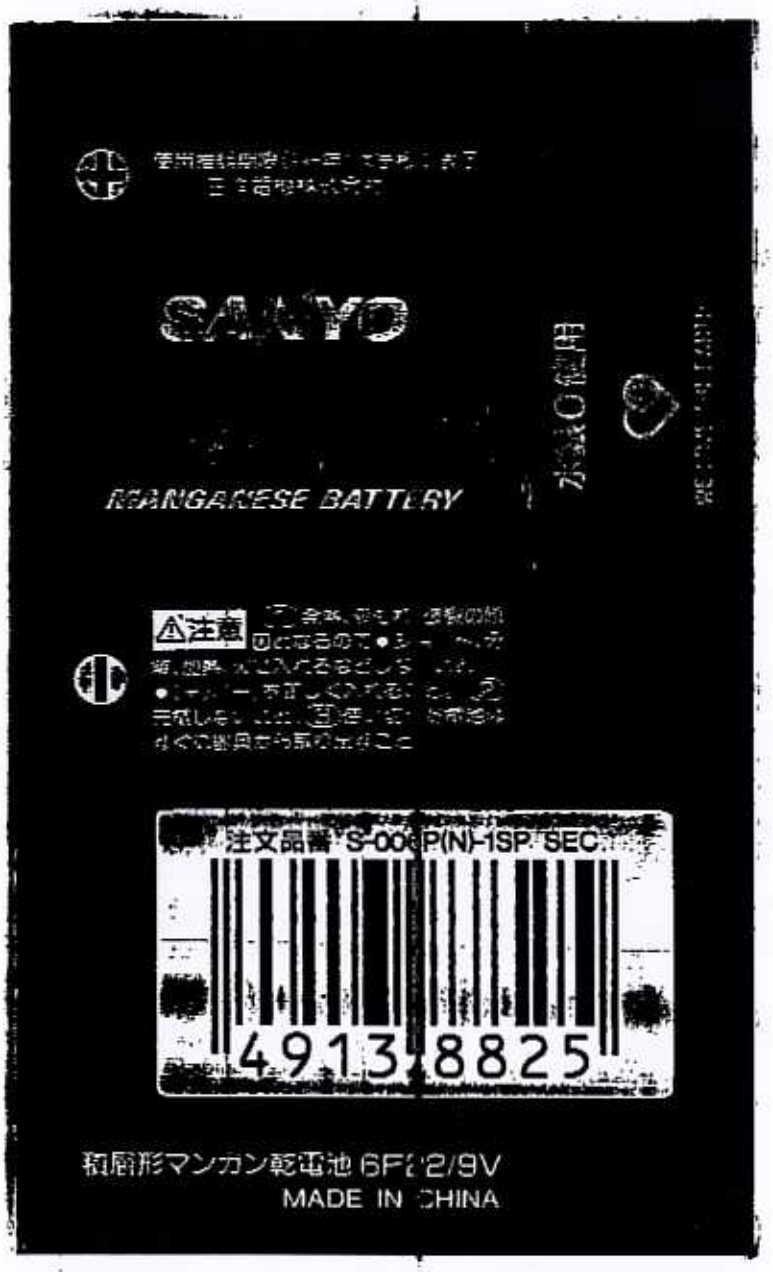
Grade



日本語版

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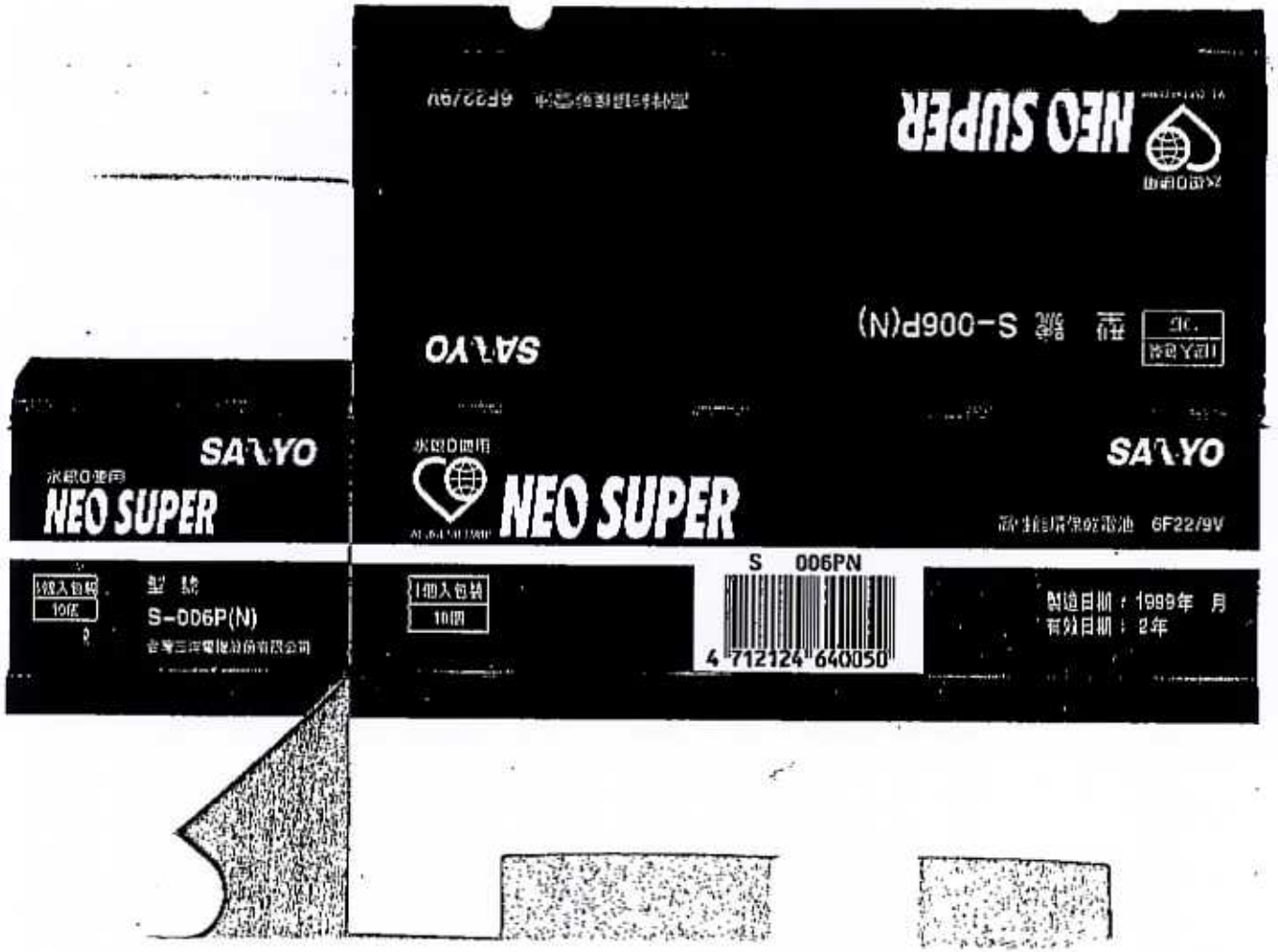
Z grade.



B-01-48R2

(0 (5%)
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SANYO
水銀0使用
NEO SUPER
SANYO
水銀0使用
NEO SUPER
SANYO
6F22/9V
1個入包裝
10個
型號
S-006P(N)
台灣三洋電機股份有限公司
1個入包裝
10個
進口商：台灣三洋電機股份有限公司
台北市松江路206號
TEL: (02) 2521-0251
生產國別：中國
型號 S-006P(N)

B-01-4P

NYO (ちょ)
NYO (入手)
+ 容易 防止

デイスプレイ BOX

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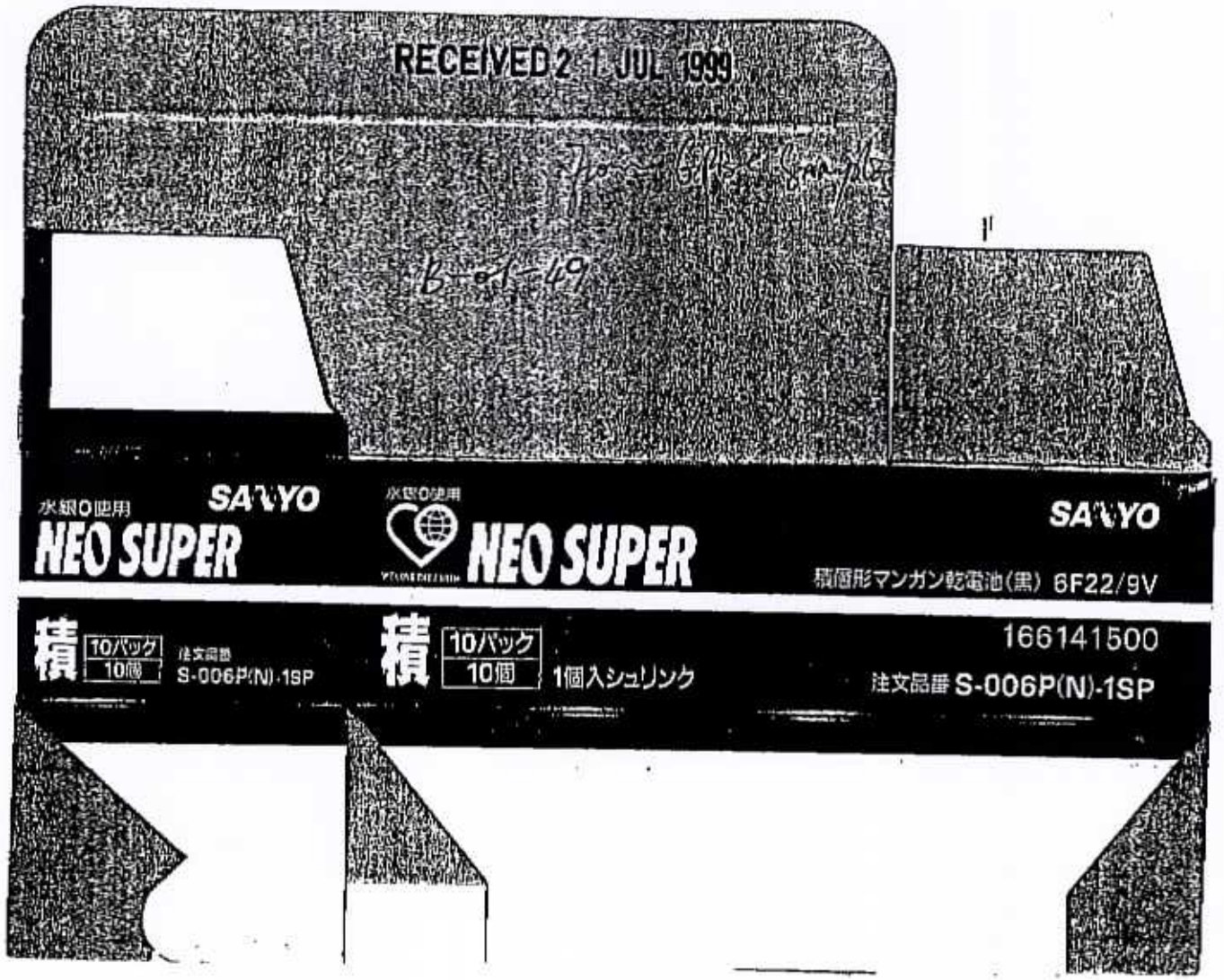

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