

Translation from German into English
The document consists of 6 pages

batterylife AG

**Test
of activator foil
for a mobile phone battery**

Report No. 21117255_001

Technical Inspection Agency Rhineland
Product Safety GmbH
Am Grauen Stein D-51105 Cologne

Test report No. **21117255_001**

Client batterylife AG
Branch office Pegnitz
Nürnberger Str. 41
D-91257 Pegnitz

Identification - **Serial No.** -

Receipt No 68263 **Date of receipt** 11.01.2005

Testing location **51105 Cologne, Laboratory TRPS, Taubenholzweg**

Test specification Testing program TRPS according to
DIN EN 60086 – 1: 2001
DIN EN 60086 – 2: 2001

Test result The a.m. test item passed

Tested by			Checked by		
14.01.2005	Marcus Müller	Signature	14.01.2005	Thomas Haupt	Signature
<i>Date</i>	<i>Name</i>	<i>Signature</i>	<i>Date</i>	<i>Name</i>	<i>Signature</i>

Other aspects

According to the test specifications mentioned above, a component testing has been carried out. These specifications are listed on the page 4.

Abbreviations

ok = passed

fail = failed

N/A = not applicable

This report relates to the a.m. test item. Without permission of the test center this report is not permitted to be duplicated in extracts.

21117522_001

Used measuring instruments

Measurement	Instrument No. Inventory No. Serial No.	Next calibration
Recording voltmeter	14400081	01/06
Multimeter Keithley	14100430	07/06
Miltimeter Fluke	14101309	07/06
Sliding calipers	14301378	11/05

21117522_001

REPORT

Report No.	21117255_001
Client	batterylife AG Branch office Pegnitz Nürnberger Str. 41 D-91257 Pegnitz
Test subject	Activator foil for a mobile phone battery
Test specification	Test program TRPS according to DIN EN 60086 – 1: Nov. 2001 DIN EN 60086 – 2: Nov. 2001
Mark	see test report
Date of test	January 2005
Testing location	51105 Cologne, laboratory TRPS, Taubenholzweg

21117522_001

Test order

Check of the discharge capacity of a mobile phone battery with activator foil and without it.

1. Measurement

- Open-circuit voltage.
- Discharging time without storing.
Discharging time till the voltage in the end of discharging
Battery with a load resistor 30 ohm

Test results:

Open-circuit voltage in a fully charged battery

with activator foil

Test 1 = 8,231V

Test 2 = 8,230V

without activator foil

Test 1 = 8,200V

Test 2 = 8,209V

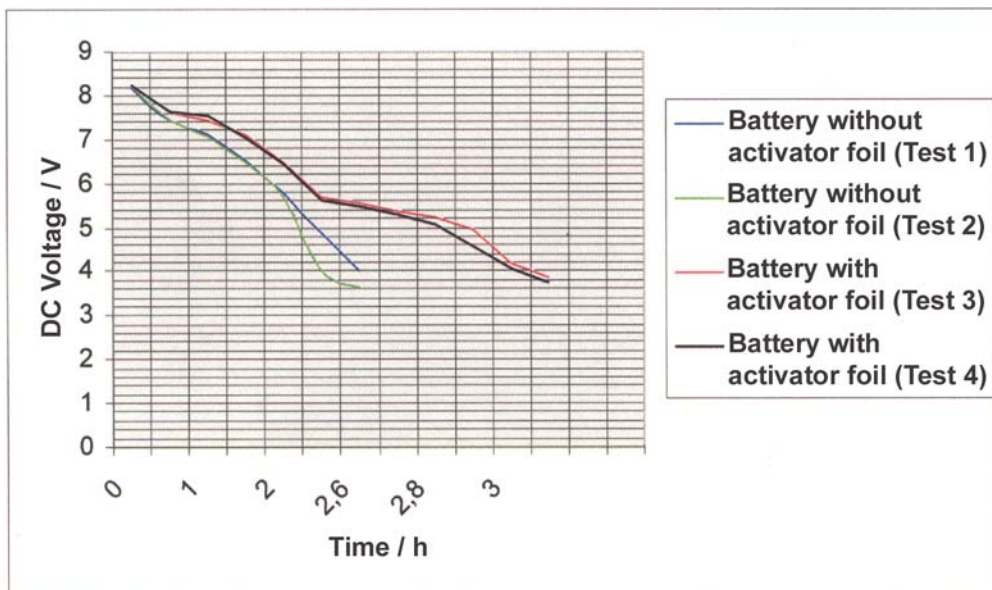
Discharging time

Battery type
Sony DC 7,2V; 730mAh

Battery without activator foil (Test 1)		Battery without activator foil (Test 2)	
Voltage / V	Time / h	Voltage / V	Time / h
8,2	0	8,209	0
7,451	0,5	7,451	0,5
7,125	1	7,098	1
6,55	1,5	6,481	1,5
5,82	2	5,695	2
4,901	2,5	4	2,5
4	2,6	3,67	2,6

21117522_001

Battery with activator foil (Test 3)		Battery with activator foil (Test 4)	
Voltage / V	Time / h	Voltage / V	Time / h
8,231	0	8,23	0
7,631	0,5	7,628	0,5
7,435	1	7,52	1
7,113	1,5	7,051	1,5
6,502	2	6,425	2
5,725	2,5	5,635	2,5
5,565	2,6	5,471	2,6
5,4	2,7	5,286	2,7
5,253	2,8	5,078	2,8
4,985	2,9	4,583	2,9
4,201	3	4,05	3
3,9	3,1	3,74	3,1



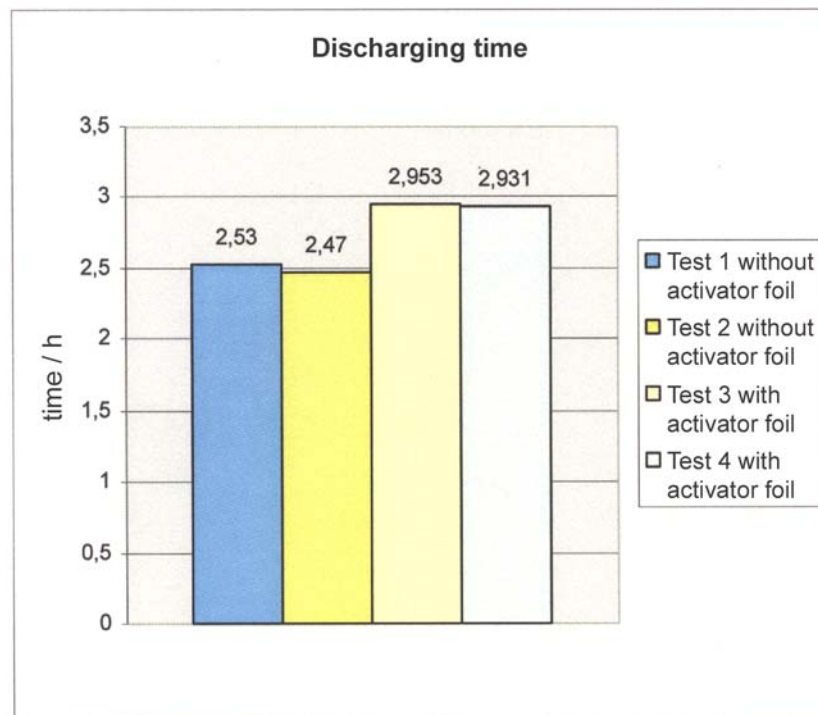
21117522_001

Evaluation of test results

Deformation or modification of the battery during the test couldn't be stated.

When testing the battery discharge capacity, certain differences in the discharging time were stated.

Discharging time	
Test 1 without activator foil	2,53 hours
Test 2 without activator foil	2,47 hours
Test 1 with activator foil	2,95 hours
Test 2 with activator foil	2,93 hours



Attachment

Photodocumentation pages 1 – 3

21117522_001

Attachment
Photodocumentation

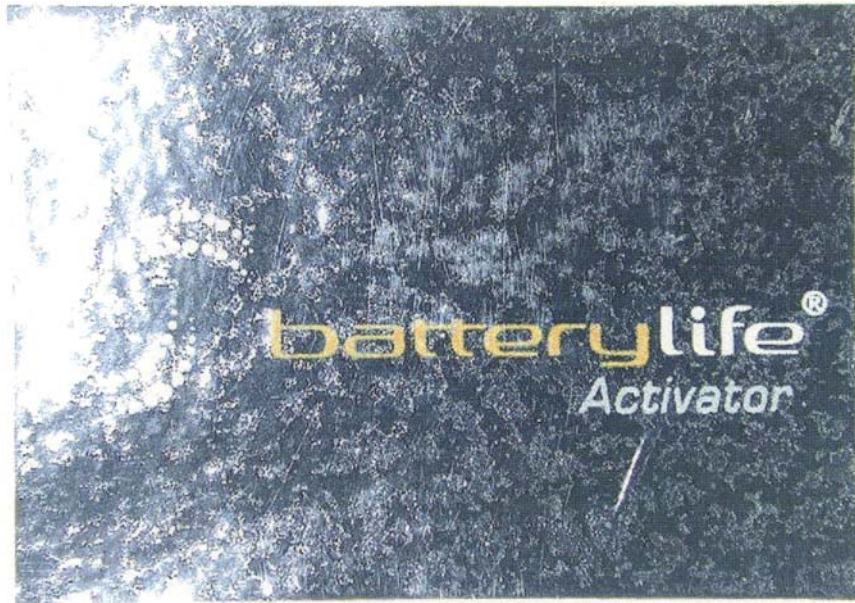
Technical Inspection Agency Rhineland
TÜV Rheinland
Product Safety GmbH
Am Grauen Stein D-51105 Cologne

Photodocumentation

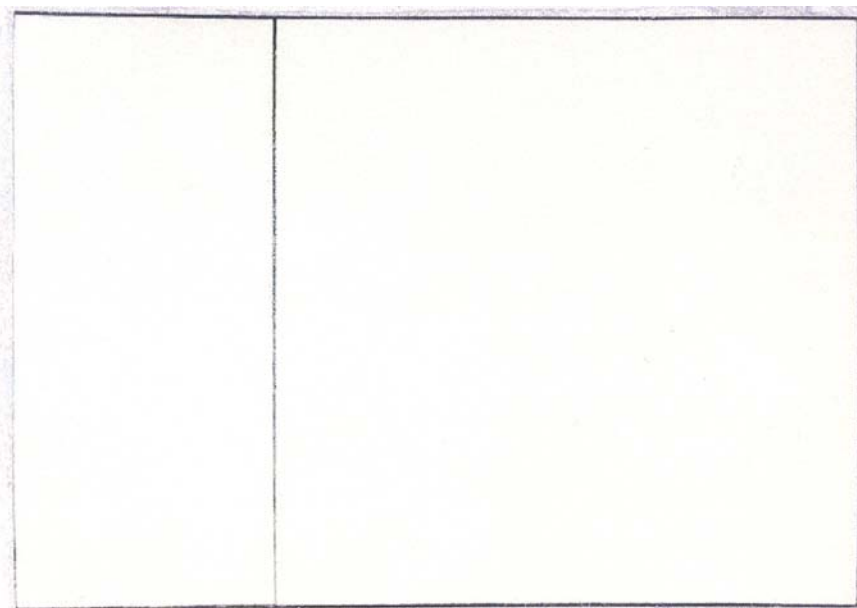
Test report No.	:	21117255_001	page	1 of 3
Client	:	batterylife AG Branch office Pegnitz, Nürnberger Straße 41 D-91257 Pegnitz		
Test subject	:	Activator foil for a mobile phone battery		
Mark	:	-	Serial number	-

Technical Inspection Agency Rhineland
TÜV Rheinland
Product Safety GmbH
Am Grauen Stein D-51105 Cologne

Picture 1



Picture 2



Technical Inspection Agency Rhineland
TÜV Rheinland
Product Safety GmbH
Am Grauen Stein D-51105 Cologne

Picture 3

