**RATING OF PROTECTION TEST REPORT (IK07)**

According to the standard:
NF EN 60068-2-75 (1997)

Tested equipment:
A radostat

Company:
AYKOW

**DISTRIBUTION:** Mr JEAN

(Company: AYKOW)

Number of pages: 10
(Included 1 appendix)

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<th>Date</th>
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<th>Written by</th>
<th>Technical Verification &amp; Quality Approval</th>
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<td>0</td>
<td>10.04.13</td>
<td>Creation</td>
<td>S.MORISSON</td>
<td>G.ROMEYER</td>
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_Duplication of this document is only permitted for an integral photographic facsimile. It includes the number of pages referenced here above. This document is the result of testing a specimen or a sample of the product submitted. It does not imply an assessment of the conformity of the whole production of the tested sample._
TESTED EQUIPMENT: a radostat

Serial number (S/N): R1318 (calibration 136D200)

Part number (P/N): without reference

MANUFACTURER: AYKOW

CUSTOMER’S NAME AND ADDRESS: AYKOW

Company: AYKOW
Address: 7, rue Alfred Kastler
14000 CAEN
Contact: Mr JEAN

TEST DATES: the 8th April 2013

TEST LOCATION: Laboratory of EMITECH at Ruelle sur Touvre (16)

TESTER: S.MORISSON
## SUMMARY

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**APPENDIX**

*Appendix 1* Photographs of tested equipments 9 and 10
1. INTRODUCTION

The report provides the results of the rating of protection test (IK07) which have been done on a radostat presented by AYKOW Company.

2. REFERENCE DOCUMENT

NF EN 60068-2-75 (1997)

3. TESTED EQUIPMENT DESCRIPTION (See photographs in appendix 1)

The tested equipment is:

- A radostat
  P/N: without reference
  S/N: R1318 (calibration 136D200)

4. TEST PROGRAM

The tests were undertaken in the following manner:

Rating of protection test (IK 07) in main face
5. **SYNTHESIS OF RESULTS**

5.1 **Chronology**

<table>
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<th>Date</th>
<th>Test designation</th>
<th>Comments</th>
<th>Photographs in appendix</th>
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<td>08/04/13</td>
<td>Rating of protection test (IK07)</td>
<td>Functional control is correct. Mark after test on main face</td>
<td>Pages 9 and 10</td>
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</table>

5.2 **Functional control verification**

Functional control is realized by the staff of EMITECH Company after test (ignition of red LED during about 3 seconds). Photographs of silicon are taken by the staff of EMITECH Company after test.
6. TEST RESULTS

6.1 RATING OF PROTECTION TEST (IK07)

- **Purpose of test**
  Determine the protection provided by the enclosure against external mechanical impacts.

- **Test procedure**
  The check of the protection provided by the enclosure is done by applying knocks on the tested equipment with the specified energy as shown in the following table.

<table>
<thead>
<tr>
<th>Code IK</th>
<th>Impact energy (joules)</th>
<th>Hammer mass (kg)</th>
<th>Fall height (mm)</th>
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<tr>
<td>07</td>
<td>2</td>
<td>0,5</td>
<td>400</td>
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</tbody>
</table>

- Kind of hammer used: □ pendular
  □ spring mechanism
  ☑ vertical fall

- Sample number: 1 radostat

- Operation condition: not in operation

- Impact number: 1 Impact

- Impact points: In main face

- **Test apparatus**

<table>
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<tr>
<th>Meter Nr EMITECH Category</th>
<th>Mark</th>
<th>Type</th>
<th>Last verification</th>
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<tbody>
<tr>
<td>Vertical fall EMITECH</td>
<td>IK07</td>
<td>/</td>
<td>/</td>
<td>/</td>
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</tbody>
</table>

- **Test result**
  Visual control: mark on main face
  Functional control: correct
7. **CONCLUSION**

The radostat of AYKOW Company is conform to IK07 protection

The tests were performed in accordance with reference documents (Cf. paragraph 2).

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End of report, 1 appendix to follow
APPENDIX
APPENDIX 1: Photographs of tested equipment
Photographs of silicon after