



Release for
transferred production

DG7-31 / DG7-32.

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75-035

2-1

75-02-21

ONDERWERP : Release for transferred production in Brive of types:
DG7-31 , DG7-32 and 95436.

The CRT types DG7-31, DG7-32 and 95436 made in Brive has been tested in Eindhoven on several parameters according to the F,L and life test specifications, to come to a

"Release for transferred production" in Brive

Annexed reports give test-and measuring-results of the above mentioned CRT-types.

As can be seen from the results, summarised in report RAR 84/75035 dated 75-02-21, these types can be given "Release for transferred production" in Brive.

K. Wassenaar.

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ONDERWERP : Release for transferred production DG7-31/DG7-32

1) Content: Résumé of test II results

RAR-84/74.124 content test II results batch 1
74.143 content Test II results batch 2
74.144 content test II results batch 3
74.165 content L-test results batch 1
74.182 content L-test results batch 2
74.183 content L-test results batch 3
50.143 content life test results batch 1
50.151 content life test results batch 2
50.152 content life test results batch 3
Résumé of life test results.

2) Summary of test II results

- a. DG7-31 Received 1452 tubes ,
Measured 215 tubes
Rejected 21 tubes: 15x angle of traces
1x loose base
1x rasterdistortion.
4x modulation too high

In the first 4 batches some tube had to be rejected on angle of traces. In the last 4 batches it was not necessary to reject any batch. So this problem is solved. Concerning other faults we found a very low reject rate.

- b. DG7-32 received 2416 tubes
measured 155 tubes
rejected 2 tubes: 1x brightness too low
1x wrong type code

Only 1.3% of the measured tubes were rejected (these tubes were rejected in the first batch).

3) Summary of L-test results

Batch no 1 No faults were found, results are good
Batch no 2 Brightness low, 2x base orientation wrong
Batch no 3 Brightness low, 1x base orientation wrong
1x screencharging too high.

Remark: The general impression is good.

4) Summary of lifetest results

1000 hours: batch no 1 results are satisfactory
batch no 2 results are satisfactory
batch no 3 results are satisfactory (1 tube total
current rather low, but within tolerances)

Remark: Results are good.

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RAR-84-75.035

2-2

75-02-18

ONDERWERP :

5) Conclusion

From the results we conclude that there is no objection against release of the C.R.T. types DG7-31 and DG7-32 for production and measuring in Brive.

G.Geevers

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QUALITY LABORATORY PROFESSIONAL TUBES

RAR-84/74 124

- 1 -

1974-10-01.

RELEASE FOR TRANSFERRED PRODUCTION DG7-32

Received 8 samples.

Measured on Test II.

6 samples are good

1 sample Brightness too low

1 sample wrong type code $\frac{79v9}{E4G}$ }

All tubes are burned in (line, raster) possibly causing low Brightness.

L- test and life test will be measured.

G. Geervers.

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RAR-84/74.143

1

74-29-10

ONDERWERP : DG7-31 release for production batch2

Received 128 pieces marked KN9
E4I

Measured 20 pieces

Results: 17x good
2x angle of traces 92° (limit 91.5° max)
1x loose base (return to Brive)

Batch is rejected

Measured 20 pieces

Results 20x good

Batch is good

5 tubes will be measured on L-test (2x angle of traces
and 3 good tubes)

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RAR-84/74-144

1

74-29-10

ONDERWERP : DG7-32 release for production batch 3

Received : 81 pieces marked 799
E4G

Measured : 20 pieces

Results : 19x good
1x line burned in(L-test)

Batch is good

5 tubes will be measured on L-test.

G. Geevers

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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR 84/74.165

B-1

74-11-22

ONDERWERP : Release for transferred production DG7-32

Batch nr.1

Test results are given on attached sheets.

no 2 up to and 6 incl. I-test sheets.
no 7 and 8 lifetest sheets.

Conclusion:

0 hours results: Tubes are good.

1000 hours results: The results are satisfactory.

Remarks:

On the I-test sheets, some limits has been changed.
The alterations concerned are in preparation at our
MISD and will be sent to you as soon as they are realised.
The alterations concerned are

1. capacity cathode to all: the limit has to be adapted to
the glass-construction
(cathode support)
2. neck dia: the max. limit was put in the wrong (min.) alinea.
3. brightness: A necessary alteration was not yet introduced.

The same remarks will be introduced in the I-spec sheets of
the DG7-31.

G. Geervers

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