

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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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/75.035

2-1

75-02-18

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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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

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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DELVILLE TO THE SOLE

BATCH IS REJECED
BATCH IS GOOD

TYPE. B97-31/32.

100% BINS.
WRONG TRADE CODE.
I. 200 HIGH/LOW.
FOCUSING.
ALIGN. POOR.
BLADE ALIGNMENT.
STRAY EMISSION.
LSE FULL SCAN 50 SNGL.
SPOTCHING.
DIRT ON OPTIC MIRROR.
ACTING 200 HIGH/LOW.
FOCUSING. 200 HIGH/LOW.
DEFL. POS. 200 HIGH/LOW.
CONNECTION.
BLADING 200 HIGH.
PIN/HOLE. CURVE.
PARTITION DISLOCATION.
ANGLE OF TRACES.
I. 200 LOW.
IN 200 LOW.
HIGH/LOW.
-V9, 200 HIGH/LOW.
LEAKAGE CURVE. PDR.
BLIND CHIPPING.
BLIGHNESS FOLLOW.
SCREEN QUALITY.
GAPS CROSSES.
HIGH TENSION.
INSULATION.
GRANULAR 200 HIGH.

GOOD AFTER REPAIR.
REPAIR IN ENGINE.
REPAIR IN ENGINE.
Good(%) ALL to 1000 units.
BE/ECTSO.
5000.
MERSURED.
RECEIVED.
DATE CODE.

32. - 9 9 1 6 2 69. 1 1
31. E47. 118 20 11 3 85. 1
30. 20 20 20 0 100
24. E45. 8' 20 20 0 100
21. E41. 110 20 19 1. 96
32. E43. 69 20 20 0 100
31. E42. 97. 43. 39 9 81
32. E43. 190 32 32 0 100
32. E42. 992. 13 13 0 100
31. E47. 40. 8 7 1
32. E44. 282 40 40 0 100
31. E44. 59 40 40 0 100
32. E46. 120 20 20 0 100
31. E44. 467. 60 19 1. 96
31. E44. 84. 8 8 0 100
32. E46. 926. 34. 32 0 100
31. 200 -
31. E58. 313 80 20 0 100
32. 550 -

FOR REPAIR
1/1000 REPAIRS.

ELCOMA

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 79V9
EIG

{

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

L-test and life test will be measured.

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KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

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.

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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. L-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 L-test sheets, some limits has been changed.
The alterations concerned are in preparation at our
M&SD and will be sent to you as soon as they are realised.
The alterations concerned are
1. capacity cathode to anode: 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 L-spec sheets of
the DG7-31.

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LAA-84/2465 sheet 2.

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eigenaars niet gestoold.

STEMPEL:	799	ONTVANGEN OP: 24-09-40.	VOOR: Beloele. First batch.	GEZIEN:							
				Dg 7-52.				Dg 7-52.			
V ₁	(P ₁)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
V ₂	(P ₂)	0	-0.0	adj	adj	adj	adj	adj	adj	adj	adj
V ₃	(P ₃)	500	500	500	500	500	500	500	500	500	500
V ₄	(P ₄)	R	R	R	R	R	R	R	R	R	R
V ₅	(P ₅)	0	500~	0	0	0	0	0	0	0	0
In	(A ₁ A)	100	100	100	500	500	500	500	500	500	500
Hebt. Samenstelling											
METING	gas	ρ_1	ρ_{2+3}	ρ_3	χ_1	χ_2	χ_{12}	QUAL.	STOT	NETH CORRECTIE	ECC.
Demarc(T)	A'	7	7	7	7	7	7	1-6	1-0	5	11-12-70 // 12-71
	A'	A'	A'	A'	A'	A'	A'	A'	A'	A'	A'
	7	None	>1.00	>0.80	>2.20	P 300	>0.50	0/00	0/00	0/00	
	5'	"	>-1.00	>0.80	>2.20	>300	>550	"	"	"	
	5	"	>-1.00	>0.80	>2.20	>300	>550	"	"	"	
	3	"	>-1.00	>0.80	>2.20	>300	>550	"	"	"	
	0	"	>-1.00	>0.80	>2.20	>300	>550	"	"	"	
	X	"	>-1.00	>0.80	>2.20	>300	>550	"	"	"	
	R	"	0	0	0	0	0	"	"	"	
S P 5 STUKS 100..											
EISEN				BLADDER				BLATT			
PAR		BLATTER		FEUILLES		SHEETS		EINHEDEN		FEUILLE	
PAR		FEUILLES		SHEETS		SHEETS		EINHEDEN		FEUILLE	
PAR		SHEETS		SHEETS		SHEETS		EINHEDEN		FEUILLE	
SIGN		SHEETS		SHEETS		SHEETS		EINHEDEN		FEUILLE	
CODE N. TYPE											
L											
CONCLUSIE											
Dg 7-82.											
862-1.											
N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.											

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RAK. 84/24/65 sheet 3

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STEMPEL :	ONTVANGEN OP :	VOOR :	GEZIEN :												Verl. nummer	Rest. dist.	Spes. hoede	Spec. ghele
			Reflexionefacto			Ex. off. fact			Blind			Astigmatismus						
METING	γ_1	γ_2	κ_1	κ_2	$\gamma_1 \gamma_2$	$\kappa_1 \kappa_2$	I_{X}	current	I_2	$-I_1$	γ_{13}	γ_{23}	I_{93}	I_{93}	$y -$	x	y	x
N. Remant (T)	5-11-12-15		γ_1	κ_1	$\gamma_1 \gamma_2$	$\kappa_1 \kappa_2$	I_{X}	current	I_2	$-I_1$	γ_{13}	γ_{23}	I_{93}	I_{93}	$y -$	x	y	x
	A1		A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1
7	21.1	21.1	345	345	0	145	24	20	-2	+1	None	>33	>33	Spec. good	684	90	90	90
3	26.6	21.6	35.4	35.4	0	130	35	80	-2	+1	"	>33	>33	"	599	96	96	96
5	21.2	21.2	35.6	35.6	0	132	60	80	-2	+1	"	>32	>32	"	412	98	98	98
2	20.2	20.2	34.6	34.6	0	133	80	80	-2	+1	"	>33	>33	"	580	90	90	90
8.	21.6	21.6	36.4	36.4	0	150	39	80	-2	+1	"	>33	>33	"	451	96	96	96
X	21.1	21.1	35.3	35.3	0	162	35	80	-2	+1	"	>33	>33	"	544	92.8	92.8	92.8
R	1.4	1.4	1.9	1.9	0	160	10	12.	2.	0	0	0	0	0	0	0	0	0
MIN.	19.0	19.0	33.5	33.5	0	150	50	54	6	-13	0	83	83	40	40	862-2	862-2	862-2
MAX.	23.0	23.0	37.3	37.3	1	1	0	96	110	10	25	0	42.0	42.0	0	0	0	0
	X MIN.	X MAX.	R MAX.	R MIN.	SP 5 STUKS	100%	EISEN:	CODE NR.	BLADEN	BLAD	BLAD	BLAD	BLAD	BLAD				
									BLATTER	BLATT	FEUILLES	FEUILLES	FEUILLE	FEUILLE				
CONCLUSIE:																		

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STEMPEL :	ONTVANGEN OP:	VOOR:	GEZIEN:	D97-32	
				1/1	2/1
1/1 (V=)	6.3			6.3	6.3
1/2 (V=)	avg.			avg.	avg.
1/2/2 (V=)	520			500	500
1/3 (V=)	par			par	par
1/4 (V=)	R			0	circ. line 0
1/4 (V=)	56x56			0	50x50
1/4 (MA)				55V	55V
1/1 (MA)	50			0.5	0.5

METTING	BEGRIJF	PARAGLASS	Belona prima		Belona prima carrying weight of one piece	Belona prima per m
			A	B		
Nr. Remark (T)	1-31	96	96		111 1/5-33	14
					111 84	85
1	10.2				A1	A1
2	10.9				180	0.5
3	11.2				160	0.3
4	10.9				160	0.4
5	10.9				150	0.3
6	10.9				152	0.3
7	10.5				80	0.1
8	10.9				MIN.	0.5
9	10.5				MAX.	4.5
S. P. 5 STUKS	100%					
EISEN						
EENHEDEN						
CONCLUSIE:	X Gedeelte 2 lager danwaar in.					

STEMPEL:		ONTVANGEN OP:		VOOR:		GEZIEN:	
16	(V=)	2	2	7	7	7	6.3.
16	(V=)	20	2	6	6	6	6.3
1629	(V=)	11053	11053	2902	2902	2902	2902
162	(V=)	1069	1069	1069	1069	1069	1069
17	(V=)	12					
16	(V=)	12					
16	(aa)	100					

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

VOORLOPIG

D97-32.

METING	TRANSLATION		SPECIFICATION				TYP.
	INCHES	MM.	Y/Y ₁	X/X ₁	Z/Z ₁	W/W ₁	
Range (T)	36	86	82	82	92	92	30
Range (T)	92	234	92	92	92	92	92
	0.1	0.1	0.1	0.1	0.1	0.1	
3	0.1	0.1	0.1	0.1	0.1	0.1	3
5	0.1	0.1	0.1	0.1	0.1	0.1	5
7	0.1	0.1	0.1	0.1	0.1	0.1	7
9	0.1	0.1	0.1	0.1	0.1	0.1	9
11	0.1	0.1	0.1	0.1	0.1	0.1	11
13	0.1	0.1	0.1	0.1	0.1	0.1	13
15	0.1	0.1	0.1	0.1	0.1	0.1	15
17	0.1	0.1	0.1	0.1	0.1	0.1	17
19	0.1	0.1	0.1	0.1	0.1	0.1	19
21	0.1	0.1	0.1	0.1	0.1	0.1	21
23	0.1	0.1	0.1	0.1	0.1	0.1	23
25	0.1	0.1	0.1	0.1	0.1	0.1	25
	MIN.	MIN.	MIN.	MIN.	MIN.	MIN.	
MAX.	25	8	3	3	3	3	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	
EENHEDEN	100%	100%	100%	100%	100%	100%	100%
PAR	CODE N°				BLADEN		
PAR	TYPE				BLATT	FEUILLES	BLAD
PAR					SHEETS	SHEETS	FEUILLE
SIGN.							362-4

CONCLUSIE:

$$I_{1502} = +4kfq_2 q_4 Y_2 X_1 / -9_3 X_2 X_2$$

$$II = +kfq_2 q_3 X_2 X_1 / -q_2 q_4 Y_1 X_2$$

$$III = +kfq_1 q_2 q_4 Y_1 X_1 / -q_3 X_1 X_2$$

$$IV = +kfq_1 q_2 X_2 / -q_2 q_3 q_4 Y_1 X_1 (T) = -q_2 q_3 q_4 Y_1 X_1 / 402$$

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PAR. 84/24165 sheet 6

D97-32.

GEZIEN:

VOOR:

ONTVANGEN OP:

STEMPEL:

METING

Remarque (T).

BUSNUMMER	S.P. 5 STUKS 100			EISEN:	EENHEDEN
	MIN.	MAX.	R MAX.		
1	169,5	175,5	170,0	366	69
3	169	175,5	170,1	366	66
5	169	175,5	170	36,6	66
2	169	175,5	170,1	36,5	66
8	171	175,7	170	36,5	67
X	169,5	177,0	170,0	36,6	66,4
R	2.	1,5.	0,3.	0,1	1.
	MIN.	154	62,5	2,5	60,5
	MAX.	176,5	178,0	36,5	37,5
	IX	MIN.	IX	MAX.	
		R	MAX.		
				MIN.	
				MAX.	

CODE Nr.

TYPE

L

CONCLUSE

363-1

D97-32.

CONTROLE - CONTROLE

KONTROLLE - TEST

VOORLOPIG

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR -84/74.182

7-1

74-12-17

ONDERWERP : Release for transferred production DG 7-31 batch 2
Results L-test and life test.

Batch 2

Test results are given on attached sheets.

no 2 up to and 6 incl. L-test sheets
no 7 incl. life test.

Conclusion

0 hours results: Brightness is rather low.

1 tubes angle of traces

2 tubes have too big base orientation

The remaining electrical and mechanical measurements are satisfactory

1000 hours results: The results are satisfactory

See also RAR-84/74.143

G.Geevers

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R.A.R.-87-87-02 Head 2.

STEMPEL:	KNG E47	ONTVANGEN OP:	VOOR:	GEZIEN:							
				Reclame voor productie batch 2.							
16	(P2)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
17	(P2)	0	-80	adj	adj	adj	adj	adj	adj	adj	adj
18	(P2)	900	900	900	900	900	900	900	900	900	900
19	(P2)	PC	PC	PC	PC	PC	PC	PC	PC	PC	PC
20	(P2)	R	R	R	R	R	R	R	R	R	R
21	(P2)	0	500	0	0	0	0	0	0	0	0
22	(P2)	100	100	100	100	100	100	100	100	100	100
REPL. READING											
METING	gao	g1	g2+g	g3	y1	y2	x1	x2	x1	x2	x.
REMARKS (P)	7	7	7	7	7	7	1-6	1-8	5	10-12	11-12-21
BUSINESSNUMBER	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1	A1
1	PS Phone > 100 > 880 > 880 > 220 > 220 > 200 > 200 > 550 > 550	good	good	good	good	good	good	good	good	good	good
2	90	"	"	"	"	"	"	"	"	"	"
3	62	"	"	"	"	"	"	"	"	"	"
4	136	"	"	"	"	"	"	"	"	"	"
5	167	"	"	"	"	"	"	"	"	"	"
X											
R											
MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
S P 5 STUKS 100.	1	2	3	4	5	6	7	8	9	10	11
EISEN	PAR	PAR	PAR	PAR	PAR	PAR	PAR	PAR	PAR	BLADEN	BLAD
	SIGN	CODE N.	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	FEUILLES	BLATT
										LEAVES	LEAF
CONCLUSIE											

(T) see RV 6-8-0/402.

STEMPEL

ONTVANGEN OP

D 97-31

GEZIEN

VF	(Vz)	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
Vf	(Vz)	adj	adj	adj	adj	0	c. o.	0	Read adj	0	c. o.	adj	adj	c. o.	adj
V2+4	(Vz)	500	500	500	500	500	500	500	500	500	500	500	500	500	500
V3	(Vz)	for	for	for	for	for	for	for	for	for	for	for	for	for	for
VY	(Vz)	adj	adj	0	0	R	R	R	cuse.	cuse.	R	R	R	R	R
VX	(Vz)	0	0	adj	adj	350	350	350	350	350	350	350	350	350	350
Ty	(aa)	SJV	SJV	SJV	SJV	near read									
Tz	(aa)	affix. (mono)	de	de	de										

Diffractiefactor

Ex diff fact blind

current I₁ I₂ current I₁ I₂

X₁ X₂ Y₁ Y₂ X₁ X₂ Y₁ Y₂

A₁ A₁ A₁ A₁ A₁ A₁

CONTROLE - CONTROLE
KONTROLLE - TEST

VOORLOPIG

N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

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STEMPEL	ONTVANGEN OP	VOOR		GEZIEN:
		D97-31	6.	
17 (P:)	6.5			
18 (P:)	avg.			
19.94 (P:)	500			
19.4 (P:)	for			
14 (P:)	R			
14 (P:)	40 x 40			
14 (MA)				
2 (MA)	50			

Bijvoerings
METING.

D9
Remarks OT 1-31

A1

BUSNUMMER

PAR
PAR
PAR
SIGN

BLADEN
BLÄTTER
FEUILLES.
SHEETS

EISEN

S.P. 5 STUKS 100.

EENHEDEN

89/
1m²

CONCLUSIE

362-3.

VOORLOPIG
N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.

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	STEMPEL	ONTVANGEN OP	VOOR	GEZIEN
V_E	(V_1)	2	7	7
V_E	(V_2)	20~	2	6
I_{B294}	(V_3)	11053	2901	2969
I_{B3}	(V_4)	11053	2901	2969
V_Y	(V_5)	150	150	150
V_X	(V_6)	150	150	150
\checkmark	(V_7)	150	150	150
I_E	(mA)	200	0	0

Transaktions.

METING	+4/-4 -K/+K	I	II	III	IV	ITEM #/all	X_1/X_2	$X_1/Y/X$	X^2/all	$X^2/X/X$	$X/Y/X$	$X/Y/X$	Kos	I_F		
1	95	91	91	91	91	91	91	91	915	915	915	915	915	1	296	
2	98	91	91	91	91	91	91	91	640	615	604	614	614	1	291	
3	62	81	95	91	94	94	94	94	565	550	501	520	520	1	292	
4	136	91	91	91	91	91	91	91	600	490	493	519	519	1	295	
5	151	91	91	91	91	91	91	91	520	515	506	521	521	1	293	
X	91	91	92	91	92	91	91	91	588	497	0.89	1.19	1.19	1	293	
R	0	0	0.4	0	0.3	0.3	0.3	0.3	0.35	0.65	0.12	0.09	0.09	0	5.	
MIN									3	51.9	40.6	6.0	6.4	6.4		1.40
MAX	15	25	8	8	8	8	8	8	7.8	60.3	1.7	1.1	1.0	0.59	0.59	
											3.0	3.0	3.0	3.0	3.0	
															3.0	
															3.0	
CONCLUSIE		MA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	WA	

$$\text{III} = +4Fg_1 g_2 g_4 Y_1 Y_2 / -9.93 X_1 X_2$$

$$\text{IV} = +4Fg_1 g_3 X_1 X_2 / -g_2 g_4 Y_1 Y_2$$

$$\text{III} = +4Fg_1 g_2 g_4 Y_2 X_1 / -9.93 Y_1 X_2$$

$$\text{IV} = +4Fg_1 g_3 X_2 / -g_2 g_4 Y_1 X_1 (T) = \text{Acc R06.3.0/402}$$

D97-31.

BLAD
BLATT
FEUILLES
SHEETS
362-4.

CONCLUSIE

I_{1502} $I = +4Fg_1 g_2 g_4 Y_1 Y_2 / -9.93 X_1 X_2$

$II = +4Fg_1 g_3 X_1 X_2 / -g_2 g_4 Y_1 Y_2$

note.

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OPB - 24/24/02 Blad 6.

GEZIEN

VOOR

ONTVANGEN OP

STEMPEL

CONTROLE - CONTROLE
KONTROLLE - TEST

N.V. PHILIPS' GLOEILAMPENFABRIEKEN EINDHOVEN, NEDERLAND

BUNNENUMMER	S.P. 5 STUKS 100	EISEN	RECHTECK (T)			CONCLUSIE
			MIN	MAX	R MAX	
1 95 160,5 156	90,1 36,1	60	90,0			
2 98 160,5 155,5	90,1 36,1	67				
3 102 170 156,5	90	36,4	66,5			
4 131 162,5 154,5	90,1	36,4	67,5			
5 151 160,5 156	69,0	34,3	69,5			
X	160,6 155,7	90,0	67,5			
X	2,5	2	0,3	2		
MIN	154	67,5	27,0	69,5	2,5	
MAX	194,5	159	90,5	82,5	71,5	10/andere

METING

RECHTECK (T).

PAR	BLADEN	BLATT	BLAD
PAR	BLATTER	FEUILLES	FEUILL.
PAR	FEUILLES	SHEETS	SHEET
SIGN			
CODE Nr.			
TYPE			

D97-81.

CONCLUSIE

363-1

ELCOMA

KWALITEITS LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

RAR-84/74.183

8-1

74-12-17

ONDERWERP : Release for transferred production DG 7-32 batch 3
Results L-test and life test.

Batch 3

Test results are given on attached sheets.

no 2 up to and 6 incl L-test sheets.
no 7 and 8 " life test sheets.

Conclusion:

0 hours results : Brightness is rather low
1x base orientation out of limit.
1x screencharging too high.

The remaining electrical and mechanical measurements
are satisfactory.

1000 hours results: The results are satisfactory.

Remark 1 tube screencharging
1 tube total current rather low

G.Geevers

Copy Messrs.: Dechering
Menet
Varekamp
Wassenaar

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D97-32
28.09.1958 Blad 8

STEMPEL	ONTVANGEN OP	VOOR	GEZIEN	D97-32	
				D97-32	28.09.1958
1/2 (V:)	6.3			6.3	6.3
1/2 (V:)	adj.			adj.	adj.
1/2 (V:)	800			800	800
1/2 (V:)	fre			fre	fre
1/2 (V:)	R			0	cire. bin. 0
1/2 (V:)	60x46			0	soep. fine fine
1/2 (MA)	SJV			0	60x60
2. (MA)	50			0.5	LJV LJV
	6.				
Belas prijs					
40% 1% 91%					
96					
A B					
96.					
A1 A1 A1					
111 11-5-38 11-13 14 65					
Belas prijs					
curing trial of orientation					
11-5-38 face down.					
B1					
110 9.35 90 -7					
200 0.35 0.95 -5					
350 0.35 90 -11					
400 0.35 0.95 -5					
200 0.35 90 -6					
222 0.35 0.90 -7					
170 0 95 6					
28 hours (D)					
mm mm mm mm mm mm					
m. sec. m sec. m. sec.					
%					
CONCLUSE					
EINDHOVEN 28.09.1958					

Bijvoegsel
METING

D97-32
Remarks 01.1.1-31

A1

CONTROLE - CONTROLE
KONTROLLE - TEST

VOORLOPIG

N.V. PHILIPS' GLOEILAMPENFABRIEKEN EINDHOVEN NEDERLAND

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R&R - 84/24/133 blad 5

STEMPEL:		ONTVANGEN OP:		VOOR:		GEZEN:		D97-32.	
V_F (V_1)	2	2	2	2	2	2	2	2	2
V_H (V_2)	20	2	3	2	6	7	9	6	2
V_{294} (V_3)	11053	11053	2902	2902	60869	60869	38661	8861	1
V_{22} (V_4)	12								
V_Y (V_5)									
V_X (V_6)	150	150	150	150	150	150	150	150	150
\checkmark (V_7)									
I_{α} (mA)									
<i>Translatie.</i>		<i>Insulaties.</i>		<i>Capacitance</i>		<i>Gas</i>		<i>I_F</i>	
METING	+4/-5	-4/+6	I	II	III	IV.	Tem 9/acc %/all	x'/x_2	y'/y_2
Remarks (I)	36	36	32	32	32	30	x_1/x_2	y_1/y_2	z_1/z_2
A2	A2	A2	A2	A2	A2	A2			
1 46 91	91	91	91	91	91	91	91	91	91
2 41 91	91	93	91	93	91	91	93	93	93
3 46 91	91	91	91	91	91	91	93	93	93
4 55 91	91	91	91	91	91	91	95	95	95
5 95 91	91	91	91	91	91	91	95	95	95
X 91	91	91	91	91	91	91	95	95	95
R 0	0	0	0	0	0	0	0	0	0
MIN									
MAX	25	25	3	3	3	3	3	3	3
CONTROLE - CONTROLE		VOORLOPIG		EISEN		BLADEN		BLAD	
KONTROLLE - TEST		S.P. 5 STUKS 100g.		PAR		BLATTER		BLATT	
		EENHEDEN		PAR		FEUILLES		FEUILLE	
		MA MA MA MA MA		SIGN		SHEETS		SHEET	
		CODE N.							
		TYPE							
		L		MIN		MIN		MIN	
		R		MAX		MAX		MAX	
		CONCLUSIE		D97-32.		CONCLUSIE		CONCLUSIE	
		T ₁₅₀ I = +4F9294 Y ₁ Y ₂ / -91 93 X ₁ X ₂		T ₁₅₀ I = +4F919294 Y ₂ X ₁ / -93 Y ₁ X ₂		T ₁₅₀ I = +4F919294 Y ₂ X ₁ / -93 Y ₁ X ₂		T ₁₅₀ I = +4F919294 Y ₂ X ₁ / -93 Y ₁ X ₂	
		II = +4F9193 X ₁ X ₂ / -92 93 Y ₁ X ₂		II = +4F919294 Y ₂ X ₁ / -92 93 Y ₁ X ₂		II = +4F919294 Y ₂ X ₁ / -92 93 Y ₁ X ₂		II = +4F919294 Y ₂ X ₁ / -92 93 Y ₁ X ₂	

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Form ook, is zonder schriftelijke toestemming van
eigenaren niet toegestaan.

STEMPEL:	ONTVANGEN OP:	VOOR:	GEZIEN:	TEST					
				100	100	100	100		
METING									
		R		100	100	100	100		
		MIN.		100	100	100	100		
		MAX.		100	100	100	100		
CONTROLE - CONTROLE		R	CODE Nr.	PAR		BLADEN			
KONTROLLE - TEST				PAR	PAR	BLATTER	BLATT		
VOORLOPIG		TYPE	SIGN.	SIGN.	SIGN.	FEUILLES	FEUILLE		
						LEAVES	SHEET		
CONCLUSIE									
D97-32.									
N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, NEDERLAND.									

KWAALITEITS-LABORATORIUM PROFESSIONELE KATODESTRAALBUIZEN

LEVENSDUUR OSCILLOGRAAFBUIZEN

GEWENSTE LEVENS DUUR 1000 **uur**
productie:

Bivariate distributions 2

Type D. 7-11

