

COMMENTS:

CONFIDENTIAL

1982

JAN83

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PHYSICAL TEST VARIABLES

WEIGHT:

IND CIG WT (GM)	.9736	.9697	.9494	.9595
NET TOB WEIGHT (GM)	.6841	.6820	.6791	.6805
DENSITY (GM/CC)	.238	.239	.237	.238

DRAFT:

CIG DRAFT (MM)	127.	128.	121.	125.
CIG DRAFT SD (MM)	7.1	10.0	9.3	9.6
DELTA P (MM)	24.	23.	25.	24.
DELTA P SD (MM)	--	--	--	--
DRAFT W/O DIL (MM)	151.	151.	146.	149.
DRAFT W/O DIL SD (MM)	7.8	6.0	8.4	7.2
FILT SEG DRAFT (MM)	102.	103.	98.	101.
TOB ROD DRAFT (MM)	49.	48.	48.	48.
AIR DILUTION-%	22.7	22.4	25.4	23.9

FIRMNESS:

CIG FIRMNESS(.1MM)	9.29	9.90	9.46	9.68
CIG FIRMNESS SD	1.31	1.23	1.06	1.14
FILT FIRMNESS(.1MM)	6.62	7.85	6.80	7.32

SIZE:

CIG SIZE (MM)	25.09	25.13	25.14	25.13
CIG SIZE SD	.09	.07	.10	.08

LENGTH:

CIG LENGTH (MM)	84.31	83.54	83.93	83.73
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MOISTURE:

PACK MOISTURE-%	11.62	11.16	11.29	11.23
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PAPER:

WIDTH (MM)	27.57	27.64	27.56	27.60
POROSITY (CORESTA)	37.4	40.4	34.6	37.5

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FILTER:				
FILT TOW TYPE SEG#1	'Y'	'Y'	'Y'	'Y'
DENIER PER FILMNT#1	3.7	3.7	3.7	3.7
TOTAL DENIER SEG#1	48000.	48000.	48000.	48000.
TOTAL FILT LEN(MM)	26.98	26.70	26.84	26.77
FILT TYPE SEG#1	ACETATE	ACETATE	ACETATE	ACETATE
FILT SEG#1 LEN(MM)	26.98	26.70	26.84	26.77
FILT TOW TYPE SEG#2	---	---	---	---
DENIER PER FILMNT#2	---	---	---	---
TOTAL DENIER SEG#2	---	---	---	---
FILT TYPE SEG#2	---	---	---	---
FILT SEG#2 LEN(MM)	---	---	---	---
TIP LENGTH (MM)	31.11	30.96	31.11	31.03
TIP COLOR	WHITE	WHITE	WHITE	WHITE
TIP PERF TYPE	MECH	MECH	LASER	LASER
ROWS OF PERFORATION	1.	1.	2.	2.
PERFS PER ROW	28.	---	---	---

TOBACCO ANALYSIS				
G13 PRESENT	Y	Y	Y	Y
G5 PRESENT	Y	Y	Y	Y
G7 PRESENT	Y	Y	Y	Y
FILLING CAP.(ML)	441.	444.	442.	443.
TOBACCO MOISTURE-%	11.60	11.20	11.50	11.35
G7-%	---	---	---	---
G13 AVERAGE-%	12.	13.	12.	13.

NOTE: FILTER TOW SPECIFICATIONS DO NOT NECESSARILY CORRESPOND WITH MONTH
 IN WHICH THEY ARE SHOWN.

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SMOKE:

BUTT LENGTH (MM)	34.	34.	34.	34.
CO (MG/CIG)	12.7	12.6	--	12.6
CO2 (MG/CIG)	39.2	--	--	--
FTC 'TAR' (MG/CIG)	11.2	11.8	11.3	11.6
FTC 'TAR' (MG/PUFF)	1.44	1.52	1.44	1.48
MENTHOL (MG/CIG)	--	--	--	--
MENTHOL (UG/PUFF)	--	--	--	--
NICOTINE (MG/CIG)	.82	.79	.77	.78
NICOTINE (MG/PUFF)	.107	.102	.098	.100
NO (UG/CIG)	190.	172.	--	172.
PH.MULTIPOINT	5.97	5.91	--	5.91
PUFF CNT(PUFFS/CIG)	7.7	7.8	7.9	7.8
TPM (MG/CIG)	13.3	13.9	13.7	13.8
TPM H2O (MG/CIG)	1.3	1.3	1.7	1.5

FILTER:

CARBO-WAX SEG#1-%	.00	.00	--	.00
CARBO-WAX SEG#2-%	--	--	--	--
CARBON SEG#2-%	--	--	--	--
FILT TYPE SEG#1	ACETATE	ACETATE	ACETATE	ACETATE
FILT TYPE SEG#2	--	--	--	--
OTHER FILT ADD-%	--	--	--	--
T.E.G.D. SEG#1-%	.00	.00	--	.00
T.E.G.D. SEG#2-%	--	--	--	--
TRIACETIN SEG#1-%	8.60	8.07	--	8.07
TRIACETIN SEG#2-%	--	--	--	--

TOBACCO:

AMMONIA-%	.32	.35	--	.35
BURNING RATE-MG/MIN	62.8	59.6	--	59.6
BURNING RATE-MM/MIN	4.9	4.4	--	4.4
COCOA-%	.52	.52	--	.52
FREDON 11 (PPM)	.00	.00	--	.00
LICORICE-%	.8	.5	--	.5
MENTHOL-%	--	--	--	--
NICOTINE-%	1.69	1.90	--	1.90
R SUGAR-%	6.8	6.4	--	6.4
T SUGAR-%	9.4	9.4	--	9.4

HUMECTANTS:

GLYCEROL-%	2.04	2.00	--	2.00
PROPYLENE GLYCOL-%	1.34	1.27	--	1.27
TRIETHYLENE GLYCOL%	.88	.77	--	.77

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