

BROWN & WILLIAMSON TOBACCO CORPORATION

Development Center Work Request

DATE : October 4, 1991
REQUESTED BY : B. A. Reasor
ALTERNATE : R. A. Gonterman
PROJECT NO. : 329-23

TO : B. A. Bandy (3)
COPIES : T. E. Bobbitt
L. R. Burch
M. A. Anderson
S. L. Reesor

Copies Without Attachments :

T. F. Riehl
D. L. Scholten
A. McMurtrie
B. B. Chakraborty
R. F. Denier
D. V. Cantrell

PURPOSE : PROJECT BASIS - DIFFERENT CITRATE LEVEL PAPERS - BAM531

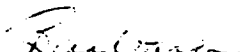
DESCRIPTION (Test Outline And/Or Special Instructions) :

Attached are specifications for the following samples :

329073 - BASIS "KOOL KS " CONTROL
(E-609/29 CORESTA/0.85% CITRATE)
329074 - Same as 329073 except E-554
(E-554/20 CORESTA/0.71% CITRATE)
329075 - Same as 329073 except E-556
(E-556/25 CORESTA/0.55% CITRATE)
329076 - Same as 329073 except KC-521
(KC-521/44 CORESTA/1.00% CITRATE)
329077 - Same as 329073 except Natural Fiber PAPER *
(Natural Fiber/29 CORESTA/0.85% CITRATE)

329078 - BASIS "KOOL MILD KS" CONTROL
(E-556/25 CORESTA/0.55% CITRATE)
329079 - Same as 329078 except E-554
(E-554/20 CORESTA/0.71% CITRATE)
329080 - Same as 329078 except KC-544
(KC-544/42 CORESTA/0.25% CITRATE)
329081 - Same as 329078 except KC-521
(KC-521/44 CORESTA/1.00% CITRATE)
329082 - Same as 329078 except Natural Fiber PAPER *
(Natural Fiber/25 CORESTA/0.55% CITRATE)

* The cigarette paper for samples 329077 and 329082 are equivalent to E-609 and E-556, respectively except they are natural fiber instead of flax. Both papers have been ordered from ECUSTA. Expected delivery is October 11, 1991. I will inform you when they arrive.


B. A. Reasor

570241886

BROWN & WILLIAMSON TOBACCO CORPORATION
** DEVELOPMENT CENTER WORK REQUEST **

CC: P. E. Atkins
S. Reesor / B. Bobbitt
B. A. REASOR

Date Requested: 10/02/91
Approved by: _____
Requestor Project #: _____
Requestor: B. A. REASOR
Designer: _____
Cigarette Description: CONTROL "KOOL KS" SPECS
Requestor #: _____
Date Manufactured: _____
Pilot Plant Project #: _____
Purpose: BASIS - CITRATE LEVELS - BAW531

Labdata Number:

Current Brand:

Cigarette Code: 329073

Analysis Code: 329073

Masked Analysis Code:

End Pack Code:

Tobacco Code:

Blend Designation: XLF-863FF Added Shorts: YES

Primary Location (N/DC): DC

Lab Location (N/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: N

Flue Cured Casing: XCF-2647

Top Dressing:

Flavor: XFF-672 F-140 Loc: D

Operation Number:

Date Cased:

Menthol Retention (%): .42 Loc: D

Moisture Content (%): 14.00

Propylene Glycol (%): .94 (T) (A)

Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:

Top Item: FT-255

Length (mm): 84

CIRCUMFERENCE (mm): 24.40

PRESSURE DROP: 9.60 (T) (A)

Plasticizer: TILBOM 7.0 (X)

Plug Wrap: KC-322/E

P.W. Porosity (c):

Anchor Lines:

PACKAGING

Label Type: NR

Closure: GOLD

Overwrap: FILM

Tear Tape: GOLD

Carton Type: NR

CIGARETTE PAPER

Supplier:

GRADE: E-609

Permeability: 29

Burn Additive (type%): CITRATE .85

Special Instructions:

QUANTITY

Stock Room Quantity:

Distribution Quantity: 18 CTN

Market Research Quantity:

Other Dept. Name:

Other Dept. Quantity:

TIPPING/FILTER

Supplier: ECUSTA

COLOR: CORK

Length: 26.0

Perf. Type: NO PERF

DISTANCE FROM N.E. (mm): (T) (A)

Permeability (c): (T) (A)

Off Line Laser (V/M):

Basis Number (g/m2):

Tipping Adhesive:

Bobbin Number:

Filter Length: 21.0

Tip Pressure Drop: 2.40

VENTILATION RATE (%): (T) (A)

On Line Laser Vent: (T) (A)

of Lines:

Holes / Inch:

Mask Width:

Mask Color:

CIGARETTE

Length (mm): 84.0

CIRCUMFERENCE (mm): 24.7 (T) (A)

Maker Speed:

Trin Check: End Stability (g/cc)

Pressure Drop (target): 4.80 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 63.0

TOBACCO WEIGHT (mg): 743 (T) (A)

Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:

Seam and Paper Weight:

Tipping Weight:

Weight / 100 Cigts.:

570241887

BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P E Atkins
 S. Reesor / K. Bobbitt
 B A. REASOR

Date Requested: 10/02/91
 Approved By: _____
 Requestor Project #: _____
 Requestor: E A. REASOR
 Designer: _____
 Cigarette Description: I-554/20 CORESTA/0.71% CITRATE
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BASIS

Labdata Number:

Current Brand:

Cigarette Code: 329074

Analysis Code: 329074

Masked Analysis Code:

End Pack Code:

Tobacco Code:

Blend Designation: XLF-863FF Added Shorts: YES

Primary Location (N/DC): DC

Tab Location (N/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: M

Flue Cured Casing: XCF-2647

Top Dressing:

Flavor: XFI-672 F-140 Loc: D

Operation Number:

Date Cased:

Menthol Retention (%): .42 Loc: D

Moisture Content (%): 14.00

Propylene Glycol (%): .94 (T) (A)

Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:

Top Item: FT-255

Length (mm): 84

CIRCUMFERENCE (mm): 24.40

PRESSURE DROP: 9.60 (T) (A)

Plastilizer: TILBOX 7.0 (%)

Plug Wrap: KC-327/E

P.W. Porosity (c):

Anchor Lines:

PACKAGING

Label Type: NR

Closure: GOLD

Overwrap: FILM

Tear Tape: GOLD

Carton Type: NR

CIGARETTE PAPER

Supplier:

GRADE: I-554

Permeability: 20

Burn Additive (type%): CITRATE .71

Special Instructions:

QUANTITY

Stock Room Quantity:

Distribution Quantity: 18 CTN

Market Research Quantity:

Other Dept. Name:

Other Dept. Quantity:

TIPPING/FILTER

Supplier: ECUSTA

COLOR: CORK

Length: 26.0

Perf. Type: MD PIRF

DISTANCE FROM N.E. (mm): (T) (A)

Permeability (c): (T) (A)

Off Line Laser (Y/N):

Basis Number (g/n2):

Tipping Adhesive:

Bobbin Number:

Filter Length: 21.0

Tip Pressure Drop: 2.40

VENTILATION RATE (%): (T) (A)

On Line Laser Vent: (T) (A)

of Lines:

Holes / Inch:

Mask Width:

Mask Color:

CIGARETTE

Length (mm): 84.0

CIRCUMFERENCE (mm): 24.7 (T) (A)

Maker Speed:

Trin Check: End Stability (g/cc):

Pressure Drop (target): 4.80 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 63.0

TOBACCO WEIGHT (mg): 743 (T) (A)

Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:

Seam and Paper Weight:

Tipping Weight:

Weight / 100 Cigts.:

570241888

BROWN & WILLIAMSON TOBACCO CORPORATION
** DEVELOPMENT CENTER WORK REQUEST **

CC: P. I. Atkins
S. Reesor / K. Bobbitt
B. A. REASOR

Date Requested: 10/02/91
Approved by: _____
Requestor Project #: _____
Requestor: B. A. REASOR
Designer: _____
Cigarette Description: E-556/25 CORESTA/O 55% CITRATE
Requestor #: _____
Date Manufactured: _____
Pilot Plant Project #: _____
Purpose: BASIS - CITRATE LEVELS - BAM53

Labdata Number:

Current Brand:

Cigarette Code: 329075

Analysis Code: 329075

Masked Analysis Code:

End Pack Code:

Tobacco Code:

Blend Designation: XLF-863FF Added Shorts: YES

Primary Location (H/DC): DC

Fab Location (H/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: N

Flue Cured Casing: XCF-2647

Top Dressing:

Flavor: XFF-672 F-140 Loc: D

Operation Number:

Date Cased:

Menthol Retention (%): 42 Loc: D

Moisture Content (%): 14.00

Propylene Glycol (%): 94 (T) (A)

Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:

Top Item: FT-255

Length (mm): 84

CIRCUMFERENCE (mm): 24.40

PRESSURE DROP: 9.60 (T) (A)

Plasticizer: TILBOX 7.0 (%)

Plug Wrap: KC-322/E

P.W. Porosity (c):

Anchor Lines:

PACKAGING

Label Type: NR

Closure: GOLD

Overwrap: FILM

Tear Tape: GOLD

Carton Type: NR

CIGARETTE PAPER

Supplier:

GRADE: E-556

Permeability: 25

Burn Additive (type%): CITRATE .55

Special Instructions:

QUANTITY

Stock Room Quantity:

Distribution Quantity: 18 CTN

Market Research Quantity:

Other Dept. Name:

Other Dept. Quantity:

TIPPING/FILTER

Supplier: ECUSTA

COLOR: CORK

Length: 26.0

Perf. Type: NO PERF

DISTANCE FROM N.E. (mm): (T) (A)

Permeability (c): (T) (A)

Off Line Laser (Y/N):

Basis Number (g/m2):

Tipping Adhesive:

Bobbin Number:

Filter Length: 21.0

Tip Pressure Drop: 2.40

VENTILATION RATE (%): (T) (A)

On Line Laser Vent: (T) (A)

of Lines:

Holes / Inch:

Mask Width:

Mask Color:

CIGARETTE

Length (mm): 84.0

CIRCUMFERENCE (mm): 24.7 (T) (A)

Maker Speed:

Trim Check: End Stability (g/cc):

Pressure Drop (target): 4.80 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 63.0

TOBACCO WEIGHT (mg): 743 (T) (A)

Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:

Seam and Paper Weight:

Tipping Weight:

Weight / 100 Cigts.:

570241889

BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. E. Atkins
 S. Reesor / K. Bobbitt
 B. A. REASON

Date Requested: 10/02/91
 Approved by: _____
 Requestor Project #: _____
 Requestor: B. A. REASON
 Designer: _____
 Cigarette Description: KC-521/44 CORESTA/1 00% CITRATE
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BAK531

Labdata Number:

Current Brand:
 Cigarette Code: 329076
 Analysis Code: 329076
 Masked Analysis Code:
 End Pack Code:
 Tobacco Code:
 Blend Designation: XLI-863FF Added Shorts: YES
 Primary Location (M/DC): DC
 Fab Location (M/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: N
 Flue Cured Casing: XCF-2647
 Top Dressing:
 Flavor: XFI-672 F-140 Loc: D
 Operation Number:
 Date Cased:
 Menthol Retention (%): 47 Loc: D
 Moisture Content (%): 14.00
 Propylene Glycol (%): .94 (T) (A)
 Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:
 Tow Item: FT-255
 Length (mm): 84
 CIRCUMFERENCE (mm): 24.40
 PRESSURE DROP: 9.60 (T) (A)
 Plasticizer: TILBOX 7.0 (%)
 Plug Wrap: KC-322/E
 P.W. Porosity (%):
 Anchor Lines

PACKAGING

Label Type: NR
 Closure: GOLD
 Overwrap: FILM
 Tear Tape: GOLD
 Carton Type: NR

CIGARETTE PAPER

Supplier:
 GRADE: KC-521
 Permeability: 44
 Burn Additive (type%): CITRATE 1.00

Special Instructions:

QUANTITY

Stock Room Quantity:
 Distribution Quantity: 18 CTM
 Market Research Quantity:
 Other Dept. Name:
 Other Dept. Quantity:

TIPPING/FILTER

Supplier: ECUSTA
 COLOR: CORK
 Length: 26.0
 Perf. Type: NO PERF
 DISTANCE FROM M.E. (mm): (T) (A)
 Permeability (c): (T) (A)
 Off Line Laser (Y/N):
 Basis Number (g/KZ):
 Tipping Adhesive:
 Bobbin Number:
 Filter Length: 21.0
 Tip Pressure Drop: 2.40
 VENTILATION RATE (%): (T) (A)
 On Line Laser Vent: (T) (A)
 # of Lines:
 Holes / Inch:
 Mask Width:
 Mask Color:

CIGARETTE

Length (mm): 84.0
 CIRCUMFERENCE (mm): 24.7 (T) (A)
 Maker Speed:
 Trim Check: End Stability (g/cc):
 Pressure Drop (target): 4.80 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 63.0
 TOBACCO WEIGHT (mg): 743 (T) (A)
 Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:
 Stem and Paper Weight:
 Tipping Weight:
 Weight / 100 Cigts.:

570241890

BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. I. Atkins
 S. Reesor / K. Dobbitt
 B. A. REASOR

Date Requested: 10/02/91
 Approved by: _____
 Requestor Project #: _____
 Requestor: B. A. REASOR
 Designer: _____
 Cigarette Description: NATURAL FIB/29 CORESTA/0.85% CITRATE
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BAM531

Labdata Number:

Current Brand:
 Cigarette Code: 329077
 Analysis Code: 329077
 Masked Analysis Code:
 End Pack Code:
 Tobacco Code:
 Blend Designation: XLF-863FF Added Shorts: YES
 Primary Location (N/DC): DC
 Tab Location (N/DC): DC

CASING/FLAVORINGS

Burley Casing: XCF-2646 Redried: N
 Flue Cured Casing: XCF-2647
 Top Dressing
 Flavor: XFF-672 F-140 Loc: D
 Operation Number:
 Date Cased:
 Menthol Retention (%): .42 Loc: D
 Moisture Content (%): 14.00
 Propylene Glycol (%): .94 (T) (A)
 Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:
 Tow Item: FT-255
 Length (mm): 84
 CIRCUMFERENCE (mm): 24.40
 PRESSURE DROP: 9.60 (T) (A)
 Plasticizer: TILBCK 7.0 (%)
 Plug Wrap: KC-322/E
 P.W. Porosity (c):
 Anchor Lines:

PACKAGING

Label Type: NR
 Closure: GOLD
 Overwrap: FILM
 Tear Tape: GOLD
 Carton Type: NR

CIGARETTE PAPER

Supplier: ECUSTA
 GRADE: *
 Permeability: 29
 Burn Additive (type%): CITRATE .85

QUANTITY

Stock Room Quantity:
 Distribution Quantity: 18 CTN
 Market Research Quantity:
 Other Dept. Name:
 Other Dept. Quantity:

TIPPING/FILTER

Supplier: ECUSTA
 COLOR: CORK
 Length: 26.0
 Perf. Type: NO PERF
 DISTANCE FROM N.E. (mm): (T) (A)
 Permeability (c): (T) (A)
 Off Line Laser (Y/N):
 Basis Number (g/n2):
 Tipping Adhesive:
 Bobbin Number:
 Filter Length: 21.0
 Tip Pressure Drop: 2.40
 VENTILATION RATE (%): (T) (A)
 On Line Laser Vent: (T) (A)
 # of Lines:
 Holes / Inch:
 Mask Width:
 Mask Color:

CIGARETTE

Length (mm): 84.0
 CIRCUMFERENCE (mm): 24.7 (T) (A)
 Maker Speed:
 Trim Check: End Stability (g/cc):
 Pressure Drop (target): 4.80 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 63.0
 TOBACCO WEIGHT (mg): 743 (T) (A)
 Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:
 Seam and Paper Weight:
 Tipping Weight:
 Weight / 100 Cigts.:

Special Instructions:

* CIGARETTE PAPER IS EQUIVALENT TO E-609 EXCEPT IT IS NATURAL FIBER INSTEAD OF FLAX.
 CIGARETTE PAPER HAS BEEN ORDERED FROM ECUSTA. WILL INFORM YOU WHEN IT ARRIVES.

570241891

BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. I. Atkins
 S. Reesor / K. Bobbitt
 B. A. REASON

Date Requested: 10/02/91
 Approved By: _____
 Requestor Project #: _____
 Requestor: B. A. REASON
 Designer: _____
 Cigarette Description: CONTROL - MILDS DESIGN
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BAMS31

 Labdata Number:
 Current Brand:
 Cigarette Code: 329078
 Analysis Code: 329078
 Masked Analysis Code:
 End Pack Code:
 Tobacco Code:
 Blend Designation: XLF-863FF Added Shorts: YES
 Primary Location (N/DC): DC
 Fab Location (N/DC): DC
 CASING/FLAVORING
 Burley Casing: XCF-2646 Redried: M
 Flue Cured Casing: XCF-2647
 Top Dressing:
 Flavor: XFF-672 F-140 Loc: D
 Operation Number:
 Date Cased:
 Menthol Retention (%): .52 Loc: D
 Moisture Content (%): 14.06
 Propylene Glycol (%): .94 (T) (A)
 Glycerine (%): 2.53 (T) (A)
 FILTER ROD
 Material:
 Tow Item: FT-240
 Length (mm): 106
 CIRCUMFERENCE (mm): 24.40
 PRESSURE DROP: 13.20 (T) (A)
 Plasticizer: TILBOX 7.0 (%)
 Plug Wrap: S-65M2
 P.W. Porosity (c): 6500
 Anchor Lines: YES
 PACKAGING
 Label Type: MR
 Closure: GOLD
 Overwrap: FILM
 Tear Tape: GOLD
 Carton Type: MR
 CIGARETTE PAPER
 Supplier:
 GRADE: E-556
 Permeability: 25
 Burn Additive (type%): CITRATE .55
 Special Instructions:
 QUANTITY
 Stock Room Quantity:
 Distribution Quantity: 18 CTN
 Market Research Quantity:
 Other Dept. Name:
 Other Dept. Quantity:
 TIPPING/FILTER
 Supplier: HERMETIT
 COLOR: C/W
 Length: 32.0
 Perf. Type: NLP
 DISTANCE FROM N.E. (mm): 12 (T) (A)
 Permeability (c): 600 (T) (A)
 Off Line Laser (Y/N):
 Basis Number (g/m2):
 Tipping Adhesive:
 Bobbin Number:
 Filter Length: 27.0
 Tip Pressure Drop: 3.30
 VENTILATION RATE (%): 20.000 (T) (A)
 On Line Laser Vent: (T) (A)
 # of Lines: 2
 Holes / Inch: 25
 Mask Width:
 Mask Color:
 CIGARETTE
 Length (mm): 84.0
 CIRCUMFERENCE (mm): 24.7 (T) (A)
 Maker Speed:
 Trim Check: Ind Stability (g/cc).
 Pressure Drop (target): 5.60 (seal) 4.80 (open)
 TOBACCO SECTION
 Length (mm): 57.0
 TOBACCO WEIGHT (mg): 678 (T) (A)
 Density (mg/cc): 243 (T) (A)
 NON-TOBACCO WEIGHTS
 Avg. Rod Weight:
 Seam and Paper Weight:
 Tipping Weight:
 Weight / 100 Cigs.:

570241892

BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. E. Atkins
 S. Reesor / K. Bobbitt
 B. A. REASOR

Date Requested: 10/02/91
 Approved by: _____
 Requestor Project #: _____
 Requestor: B. A. REASOR
 Designer: _____
 Cigarette Description: E-554/20 CORESTA/0.71% CITRATE
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BAN531

Labdata Number:

Current Brand:

Cigarette Code: 329079

Analysis Code: 329079

Masked Analysis Code:

End Pack Code:

Tobacco Code:

Blend Designation: XLF-863FF Added Shorts: YES

Primary Location (N/DC): DC

Fab Location (N/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: M

Flue Cured Casing: XCF-2647

Top Dressing

Flavor: XFF-672 F-140 Loc: D

Operation Number:

Date Cased:

Menthol Retention (%): .52 Loc: D

Moisture Content (%): 14.00

Propylene Glycol (%): 94 (T) (A)

Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:

Tow Item: FI-240

Length (mm): 108

CIRCUMFERENCE (mm): 24.40

PRESSURE DROP: 13.20 (T) (A)

Plasticizer: TILBON 7.0 (%)

Plug Wrap: S-65M2

P.W. Porosity (c): 6500

Anchor Lines: VIS

PACKAGING

Label Type: NR

Closure: GOLD

Overwrap: FILM

Tear Tape: GOLD

Carton Type: NR

CIGARETTE PAPER

Supplier: ECUSTA

GRADE: E-554

Permeability: 20

Burn Additive (type%): CITRATE .71

Special Instructions:

QUANTITY

Stock Room Quantity:

Distribution Quantity: 18 CTN

Market Research Quantity:

Other Dept. Name:

Other Dept. Quantity:

TIPPING/FILTER

Supplier: HERMETIT

COLOR: C/M

Length: 32.0

Perf. Type: MLP

DISTANCE FROM N.E. (mm): 12 (T) (A)

Permeability (c): 600 (T) (A)

Off Line Laser (V/N):

Basis Number (g/m2):

Tipping Adhesive:

Bobbin Number:

Filter Length: 27.0

Tip Pressure Drop: 3.30

VENTILATION RATE (%): 20.000 (T) (A)

On Line Laser Vent. (T) (A)

of Lines: 2

Holes / Inch: 25

Mask Width:

Mask Color:

CIGARETTE

Length (mm): 84.0

CIRCUMFERENCE (mm): 24.7 (T) (A)

Maker Speed:

Trin Check: End Stability (g/cc)

Pressure Drop (target): 5.60 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 57.0

TOBACCO WEIGHT (mg): 678 (T) (A)

Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:

Seam and Paper Weight:

Tipping Weight:

Weight / 100 Cigts.:

570241893

BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. E. Atkins
 S. Reesor / K. Bobbitt
 B. A. REASOR

Date Requested: 10/02/91
 Approved by: _____
 Requestor Project #: _____
 Requestor: B. A. REASOR
 Designer: _____
 Cigarette Description: KC-544/42 CORESTA/0.25% CITRATE
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BAN531

Labdata Number:

Current Brand:

Cigarette Code: 329080

Analysis Code: 329080

Masked Analysis Code:

End Pack Code:

Tobacco Code:

Blend Designation: XLF-863FF Added Shorts: YES

Primary Location (N/DC): DC

Fab Location (N/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: N

Flue Cured Casing: XCF-2647

Top Dressing:

Flavor: XFF-672 F-140 Loc: D

Operation Number:

Date Cased:

Menthol Retention (%): .52 Loc: D

Moisture Content (%): 14.00

Propylene Glycol (%): .94 (T) (A)

Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:

Tow Item: FT-240

Length (mm): 108

CIRCUMFERENCE (mm): 24.40

PRESSURE DROP: 13.20 (T) (A)

Plasticizer: TILBOX 7.0 (%)

Plug Wrap: S-65M2

P.W. Porosity (c): 6500

Anchor Lines: YES

PACKAGING

Label Type: NR

Closure: GOLD

Overwrap: FILM

Tear Tape: GOLD

Carton Type: NR

CIGARETTE PAPER

Supplier:

GRADE: KC-544

Permeability: 42

Burn Additive (type%): CITRATE .25

Special Instructions:

QUANTITY

Stock Room Quantity:

Distribution Quantity: 18 CTN

Market Research Quantity:

Other Dept. Name:

Other Dept. Quantity:

TIPPING/FILTER

Supplier: HERMETIT

COLOR: C/W

Length: 32.0

Perf. Type: NLP

DISTANCE FROM H.E. (mm): 12 (T) (A)

Permeability (c): 600 (T) (A)

Off Line Laser (Y/N):

Basis Number (g/n2):

Tipping Adhesive:

Bobbin Number:

Filter Length: 27.0

Tip Pressure Drop: 3.30

VENTILATION RATE (%): 20.000 (T) (A)

On Line Laser Vent. (T) (A)

of Lines: 2

Holes / Inch: 25

Mask Width:

Mask Color:

CIGARETTE

Length (mm): 84.0

CIRCUMFERENCE (mm): 24.7 (T) (A)

Maker Speed:

Trin Check: End Stability (g/cc)

Pressure Drop (target): 5.60 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 57.0

TOBACCO WEIGHT (mg): 678 (T) (A)

Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:

Seam and Paper Weight:

Tipping Weight:

Weight / 100 Cigts.:

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BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. E. Atkins
 S. Reesor / K. Bobbitt
 B. A. REASON

Date Requested: 10/02/91
 Approved by: _____
 Requestor Project #: _____
 Requestor: B. A. REASON
 Designer: _____
 Cigarette Description: KC-521/44 CORESTA/1.00% CITRATE
 Requestor #: _____
 Date Manufactured: _____
 Pilot Plant Project #: _____
 Purpose: BASIS - CITRATE LEVELS - BAN521

Labdata Number:

Current Brand:

Cigarette Code: 329081

Analysis Code: 329081

Masked Analysis Code:

End Pack Code:

Tobacco Code:

Blend Designation: XLF-863FF Added Shorts: YES

Primary Location (N/DC): DC

Fab Location (N/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: N

Flue Cured Casing: XCF-2647

Top Dressing:

Flavor: XFF-672 F-140 Loc: D

Operation Number:

Date Cased: _____ Loc: D

Menthol Retention (%): .52

Moisture Content (%): 14.00

Propylene Glycol (%): .94 (T) (A)

Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:

Tow Item: FT-240

Length (mm): 108

CIRCUMFERENCE (mm): 24.40

PRESSURE DROP: 13.26 (T) (A)

Plasticizer: TILBOX 7.0 (%)

Plug Wrap: S-65M2

P.W. Porosity (c): 6500

Anchor Lines: YES

PACKAGING

Label Type: NR

Closure: GOLD

Overwrap: FILM

Tear Tape: GOLD

Carton Type: NR

CIGARETTE PAPER

Supplier:

GRADE: KC-521

Permeability: 44

Burn Additive (type%): CITRATE 1.00

Special Instructions:

QUANTITY

Stock Room Quantity:

Distribution Quantity: 18 CTN

Market Research Quantity:

Other Dept. Name:

Other Dept. Quantity:

TIPPING/FILTER

Supplier: HERMETIT

COLOR: C/W

Length: 32.0

Perf. Type: MLP

DISTANCE FROM M.E. (mm): 12 (T) (A)

Permeability (c): 600 (T) (A)

Off Line Laser (Y/N):

Basis Number (g/m2):

Tipping Adhesive:

Bobbin Number:

Filter Length: 27.0

Tip Pressure Drop: 3.30

VENTILATION RATE (%): 20.000 (T) (A)

On Line Laser Vent: (T) (A)

of Lines: 2

Holes / Inch: 25

Mask Width:

Mask Color:

CIGARETTE

Length (mm): 84.0

CIRCUMFERENCE (mm): 24.7 (T) (A)

Maker Speed:

Trin Check: End Stability (g/cc):

Pressure Drop (target): 5.60 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 57.0

TOBACCO WEIGHT (mg): 678 (T) (A)

Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Weight:

Seam and Paper Weight:

Tipping Weight:

Weight / 100 Cigts.:

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BROWN & WILLIAMSON TOBACCO CORPORATION
 ** DEVELOPMENT CENTER WORK REQUEST **

CC: P. E. Atkins
 S. Reesor / K. Bobbitt
 B. A. REASOR

Date Requested: 10/02/91 Cigarette Description: NATURAL FIB/25 CORESTA/0.55% CITRATE
 Approved by: _____ Requestor #: _____
 Requestor Project #: _____ Date Manufactured: _____
 Requestor: B. A. REASOR Pilot Plant Project #: _____
 Designer: Purpose: BASIS - CITRATE LEVELS - BAMS31

Labdata Number:

Current Brand:
 Cigarette Code: 329082
 Analysis Code: 329082
 Masked Analysis Code:
 End Pack Code:
 Tobacco Code:
 Blend Designation: XLF-863FF Added Shorts: YES
 Primary Location (N/DC): DC
 Fab Location (N/DC): DC

CASING/FLAVORING

Burley Casing: XCF-2646 Redried: N
 Flue Cured Casing: XCF-2647
 Top Dressing:
 Flavor: XFF-672 F-140 Loc: D
 Operation Number:
 Date Cased:
 Menthol Retention (%): .52 Loc: D
 Moisture Content (%): 14.00
 Propylene Glycol (%): .94 (T) (A)
 Glycerine (%): 3.53 (T) (A)

FILTER ROD

Material:
 Tow Item: FT-240
 Length (mm): 108
 CIRCUMFERENCE (mm): 24.40
 PRESSURE DROP: 13.20 (T) (A)
 Plasticizer: TILBUX 7.0 (%)
 Plug Wrap: S-65M2
 P.W. Porosity (c): 6500
 Anchor Lines: YES

PACKAGING

Label Type: NR
 Closure: GOLD
 Overwrap: FILM
 Tear Tape: GOLD
 Carton Type: NR

CIGARETTE PAPER

Supplier: ECUSTA
 GRADE: *
 Permeability: 25
 Burn Additive (type%): CITRATE .55

QUANTITY

Stock Room Quantity:
 Distribution Quantity: 18 CTN
 Market Research Quantity:
 Other Dept. Name:
 Other Dept. Quantity:

TIPPING/FILTER

Supplier: HERMETIT
 COLOR: C/H
 Length: 32.0
 Perf. Type: MLP
 DISTANCE FROM N.E. (mm): 12 (T) (A)
 Permeability (c): 600 (T) (A)
 Off Line Laser (Y/N):
 Basis Number (g/m2):
 Tipping Adhesive:
 Bobbin Number:
 Filter Length: 27.0
 Tip Pressure Drop: 3.30
 VENTILATION RATE (%): 20.000 (T) (A)
 On Line Laser Vent: (T) (A)
 # of Lines: 2
 Holes / Inch: 25
 Mask Width:
 Mask Color:

CIGARETTE

Length (mm): 84.0
 CIRCUMFERENCE (mm): 24.7 (T) (A)
 Maker Speed:
 Trin Check: End Stability (g/cc):
 Pressure Drop (target): 5.60 (seal) 4.80 (open)

TOBACCO SECTION

Length (mm): 57.0
 TOBACCO WEIGHT (mg): 678 (T) (A)
 Density (mg/cc): 243 (T) (A)

NON-TOBACCO WEIGHTS

Avg. Rod Height:
 Seam and Paper Weight:
 Tipping Weight:
 Weight / 100 Cigts.:

Special Instructions:

* CIGARETTE PAPER IS EQUIVALENT TO E-556 EXCEPT IT IS NATURAL FIBER INSTEAD OF FLAX.
 CIGARETTE PAPER HAS BEEN ORDERED FROM ECUSTA. WILL INFORM YOU WHEN IT ARRIVES.

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