BLUDOTH 425-K PRINTED IN U.S.A. 4PQ41

FORMULA RECORD

FORMULA NO. Y-1104 U

GOODS Endurance Tire Dress

LABORATORY NO.

T. M. S.

CONSISTENCY

COST CLASS.

DATE 12/18/60

FOR USE ON

STRAINER

GRIND 3 4

CUSTOMER

TORONTO

JAN 27 1961

MILL Sy-Sinned

WT. OR BE 13.6

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180					350	
W-33					850	
W-63					195	
W-195					4 1/4	
S-91				1/4		
B6-AV-13A				69 1/2		
O-62				2 1/8		
S-43				1/4		
VM-433				1 1/8		
VM-323				1/2		
VM-433						22 ozs.
M-455 (Hold)		1/8 to 2/4 gal/100 gals.				
YIELD				102		

IS AGITATOR REQUIRED

VISC.F.B. 25-30SU TEMP.

VISC. RED. TEMP.

VISCOSIMETER

COLOR SHEEN

NON VOL. FLASH PT.

MATCH FOR

REDUCER

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN

A. O. TO RECOAT IN

REMARKS

FORMULATOR BCD

N12402

GLD060543

A-400-D 12M 1-34

FORMULA RECORD

Goods Endurance Shade White Base — Formula No. Z 1804A

Consistency — Date 10-5-1951 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Gals.	One Gallon Batch Lbs.	One Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Manufacturing Specifications
01				41						Grind
0207				2						Kind of Mill
1015				3 1/4						Strainer
543				3 1/2						Weight per Gallon 15 3/4#
514				3/4						Light Baume Temp.
										Heavy Baume Temp.
7169					150					Viscosity Temp.
20 Excelsior					140					Viscosimeter
7110					285					Flash Point
7111					102	8				Is Agitator Required
										Remarks
Yield 1,5 1/2										

GLD060544

A-480-D 13-1041 1-23

FORMULA RECORD

Goods: Shade White Base Enduranc Formula No. 71804B

Consistency: Date 1-22-1923 Laboratory No.

For Use on: Cost Classification

Cresade Number	One Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specifications	
01				82 3/4						Grind	
D43				7 7/8						Kind of Mill	
D10				6 1/4						Strainer	
D14				3 1/8						Weight per Gallon	15 1/2#
										Light Baume	Temp.
716					675	Changed to				Heavy Baume	Temp.
711					75	750# 716				Viscosity	Temp.
7116					150					Viscosimeter	
7111					100					Flash Point	
7169					250					Is Agitator Required	
										Remarks	
Yield 130											

GLD060545

H-47 5-2 3-42 PRINTED IN U. S. A. 8

COST DEPARTME[illegible]

Formula Revision #1

Classified Formula No. Y-1804-L

Goods: Endurance Shade White Base

Laboratory Formula No.

Consistency: Liquid

Date: 3-31-43

Factory Letter No.

For Use on: Exteriors

Production No. 90J-784

Customer: Paint Shop

Cost Classification

Ingredient Code Number	Lab'ty Formula	Large Batch Pounds	Large Batch Gallons	Do not write in these columns For Cost Department Use Only						Manufacturing Specifications
W-104	1125 #									Grind 24 hrs
W-33	1130 #									Kind of Mill pebble
W-69	480 #									Strainer coarse
W-18	240 #									Weight per Gallon 16.2
W-11	240 #									Light Baume Temp.
										Heavy Baume Temp.
O-1	101-1/4 gal									Viscosity Temp.
D-286	60 #									Viscosimeter
D-15	15 #									Flash Point
B-43	45-3/4 #									Is Agitator Required
S-48	15 #									
67-T-9	3 #									Formulator
Yield										

GLD060546

47 20M 12-41 PRINTED IN U.S.A. (B.CO.)

COST DEPARTMENT RECORD

Goods Grind Base — Formula No. Y-1804-S

Consistency — Date 7/7/44 — Laboratory No.

For Use on 106 Tug — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	100 Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specifications
AVL-236				22½						Grind C
O-15				5						Kind of Mill
S-148				1½						Strainer
67-T-9				1						Weight per Gallon 18.2
										Light Baume Temp.
W-104					175					Heavy Baume Temp.
W-6					570					Viscosity Temp.
W-69					160					Viscosimeter
W-16					80					Flash Point
W-11					80					Is Agitator Required
										Remarks
Yield										

Standard Formula. Not to be taken from File.

GLD060547

47 20M 12-43 PRINTED IN U.S.A.

COST DEPARTMENT RECORD

Goods End Shade Base — Formula No. 4-1804-

Consistency — Date 1-29-45 — Laboratory No.

For Use on — F14-107 Cost Classification

Code Number	One Gallon Batch Pints	One Gallon Batch Lbs.	One Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Manufacturing Specification
W-69		3	10					290		Grind C
W-6		1	14					550		Kind of Mill
W-10		1	7					115		Strainer
W-11		1	6					110		Weight per Gallon 15½
										Light Baume Temp.
AVL-236	7¼						72½			Heavy Baume Temp.
D-15	½						5			Viscosity Temp.
S-148	¼						2½			Viscosimeter
										Flash-Point
										Is Agitator Required
										Remarks Do Use AVL-236 under of Compounds
										Loss 4%
Yield										

Standard Formula. Not to be taken from File.

GLD060548

FORM 47 ZON 6-43 ASE

COST DEPARTMENT RECORD

Goods: End Base Specials — Formula No. Y-1804 G

Consistency — Date 3/6/45 — Laboratory No.

For Use on: F16-125 — Cost Classification: 2

Code Number	One Gallon Batch			Gallon Batch			Gallon Batch			Manufacturing Specifications
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
Green TT-P-156				50						Grind C
										Kind of Mill
AVL-236				57½						Strainer
D-15				3½						Weight per Gallon
S-146				4						Light Baume Temp.
										Heavy Baume Temp.
W-69					522					Viscosity Temp.
(W-11) W-81					142					Viscosimeter
										Flash Point
				130 gals						Is Agitator Required
										Remarks
				Standard Formula						
				not to be taken						
Yield										

GLD060549

A-20M 12-43 PRINTED IN U.S.A. (B.C.C.)

COST DEPARTMENT RECORD

Goods End. Base Special Formula No. Y-1804 Spec

Consistency Date 3/6/45 Laboratory No.

For Use on F10-135 Cost Classification 2

Code Number	One Gallon Batch			Gallon Batch			Gallon Batch			Manufacturing Specifications
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
Specif TTP-156				50						Grind C
										Kind of Mill
AUL-236				57½						Strainer
D-15				3½						Weight per Gallon
S-148				4						Light Baume Temp.
										Heavy Baume Temp.
W69					522					Viscosity Temp.
W181					142					Viscosimeter
				132 gals.						Flash Point
										Is Agitator Required
										Remarks
Yield										

Standard Formula
Not to be taken
from File.

GLD060550

FORMULA RECORD

Goods Endurance Shade White Base — Classified Formula No. Y-1804-N

Customer — Lab. Formula No.

Date 5-1-45 — Prod. No. 9DL 564 — Cost Classification

Code Number	Pints or Gal.	Lbs.	Ozs.	Gal.	Lbs.	Ozs.	Gal.	Lbs.	Ozs.	Specifications
W-69		3-5/8								Grind Pebble
W-6		6-7/8								Mill
W-10		1-7/16								Strainer
W-11		1-3/8								Wt. per Gal. 15.5#
										Baume
D-1			41 liq. oz.							Reducer
D-286	5/16									Amount
D-15	1/16									Apply by
S-43			31 liq. oz.							Surface
S-148	1/16									Drying time
										Viscosity
										Bake
										N.V.M.
										Gloss
Yield										Formulator

Standard Formula. Not to be taken from File

GLD060551

480-A

FORMULA RECORD

Goods: Endurance White Tint Base H.P.

Formula No.: Y 1804 N

Consistency

Date: 1-8-46

Laboratory No.: -

For Use On: -

Cost Classification

CODE NUMBER	ONE GALLON BATCH GALS.	LBS.	OZS.	100 GALLON BATCH GALS.	LBS.	OZS.	GALLON BATCH GALS.	LBS.	OZS.
W 77					325				
W 38					400				
W 2 (p)					225				
W 10					125				
W 11					125				
O 1				24					
O 83				23					
D 15				4.5					
S 43				18					
S 49				5					
YIELD									

Standard Formula. Not to be taken from File.

MANUFACTURING SPECIFICATIONS

GRIND: 1-2

KIND OF MILL: HyR Speed

STRAINER

WEIGHT PER GALLON: 18.1#

LIGHT BAUME: TEMP.

HEAVY BAUME: TEMP.

VISCOSITY: 85-90 TEMP. 80

VISCOSIMETER: Stormer

FLASH POINT

IS AGITATOR REQUIRED

REMARKS

U.S. alignment

RLO

GLD060552

450-A

FORMULA RECORD

Goods WHITE ENDURANCE BASE — Formula No.

Consistency — Date 5-21-46 — Laboratory No. T-1804

For Use On — Cost Classification

CODE NUMBER	ONE GALLON BATCH GALS.	LBS.	OZS.	GALLON BATCH GALS.	LBS.	OZS.	GALLON BATCH GALS.	LBS.	OZS.
O-1				60					
O-63				2.5					
D-68				1.8					
S-43				4.7					
67-T-9				2.5					
VM-432				1.1					
W-2 Paste					457				
W-36					382				
W-37					172				
W-16					86				
W-11					86				
				102 gal. - 2% loss -- 100 gal.					
YIELD									

MANUFACTURING SPECIFICATION

GRIND C

KIND OF MILL roller

STRAINER

WEIGHT PER GALLON

LIGHT BAUME TEMP.

HEAVY BAUME TEMP.

VISCOSITY TEMP.

VISCOSIMETER

FLASH POINT

IS AGITATOR REQUIRED

REMARKS

Standard Formula
Not to be taken
from File

GLD060553

47-A 25M 11-47 PRINTED IN U.S.A. 1B.

COST DEPARTMENT RECORD

Goods: Endurance Shade Mate Base

Formula No.: Y1804

Consistency

Laboratory No.

For use on

Cost Class.

Date

Customer

Strainer

Grind 1-2

Mill

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Large Batch Gals.	Lbs.
W-6		9	6		750
W-69		3			160
W-16		1			80
W-11		1			80
01	19/16			10	
05	1			15 5/8	
0286	2 1/2			25	
D15	9/16			5 5/8	
S-43	1 7/8			18 3/4	
S-148	1/2			5	
67T9			1	5/8	

Is agitator required

Wt. or Be — Temp.

Viscosity 85-90 KU — Temp.

Viscosimeter

Color — Sheen

Non Vol. — Flash Pt.

Match for

Reducer

Amt. for brushing

Spraying — Tumbling

Dipping — Drip time

Bake — Temp.

Air dries in

A. D. to recoat in

Remarks:

Standard Formula. Not to be taken from File.

Formulator

Yield

GLD060554

FORMULA RECORD

A 420 5m

Goods Glidden Endurance Shade White Base — Formula Y-1804-C

Consistency — Date 5-1-1926. Old No.

For Use on — Classification

1	5	½ Bbl	Bbl.	2 Bbl.	Code No.	Per cent	Manufacturing Specifications
82 [illegible] 3/4	Gal.	Raw Linseed Oil			O-1		Grind
7 [illegible] 7/8	"	Texaco			S-43		Kind of Mill
6 [illegible] 1/8	"	Kingsley Drier			D-10		Rate per hr.
3 [illegible] 1/8	"	Water			S-14		Strainer
750.00	lbs.	35% Leaded Zinc			W-6		Analysis
150.00	"	Silica			W-16		
100.00	"	Pulp			W-11		
250.00	"	Sunolih			W-69		

GLD060555

FORMULA RECORD

A 688 5m 10-24
Printed in U.S.A.

Goods: Glidden Endurance Shade White Base — Formula No. Y-1804-D

Consistency — Date 1-5-27 — Old No.

For Use on — Cost Classification

1	5	½ Bbl	Bbl.	2 Bbl.	Code No.	Per cent	Manufacturing Specifications
72	gal.	Raw Linseed Oil			O-1		Grind
2	"	Texaco			S-43		Kind of Mill
5	"	Kingsley Drier			D-10		Rate per hr.
550	lbs.	35% Leaded Zinc			W-6		Strainer
250	"	Special Sunolith			W-77		Weight per Gallon
120	"	Silica			W-16		Light Baume Temp.
80	"	Asbestine Pulp			W-11		Heavy Baume Temp.
1	gal.	Water			S-14		Viscosity Temp.
							Make of Viscosimeter
							Flash Point
							Is Agitator Package Required
							Remarks
							Percentage of pigment (by wt.) to non-volatile - 66½
Yield							

GLD060556

Lucas Paint Products U.S.A.

FORMULA RECORD

Generic Name: Hidden Endorsers Basic White Base

Formula No. [illegible]

Consistency

Date 6/5/50 Old No.

For Use on

Cost Classification

Code Number	1	5	½ Bbl.	Bbl.	2 Bbl.	Manufacturing Specifications
G-182				20 Gal.		Grind
G-183				10 Gal.		Blend of Mill
G-126				28 Gal.		Reduce to
[illegible]-81				3 Gal.		Scales
[illegible]-60				2 1/2 Gal.		Weight per Gallon 15 1/4#
[illegible]-15				5 Gal.		Light Bloom Temp.
[illegible]-94				3/8 Gal.		Heavy Bloom Temp.
[illegible]-14				1/8 Gal.		Viscosity Temp.
[illegible]-5				550 lbs.		Mixed Viscosity
[illegible]-77				200 lbs.		Flash Point
[illegible]-26				120 lbs.		In Adhesive Package Required
[illegible]-11				80 lbs.		Remarks

A 480 E 5m 1-29 Printed in U. S. A.

FORMULA RECORD

Goods: Glidden Endurance Shade White Base — Formula No. Y-1604-E

Consistency — Date 6/5/30 Old No.

For Use on — Cost Classification

Code Number	1	5	½ Bbl.	Bbl.	2 Bbl.	Manufacturing Specifications
C-132				35 Gal.		Grind
C-125				10 Gal.		Kind of Mill
E-128				22 Gal.		Rate per hr.
C-61				3 Gal.		Strainer
E-43				4 1/4 Gal.		Weight per Gallon 15 1/4#
D-15				5 Gal.		Light Baume Temp.
E-51				3/8 Gal.		Heavy Baume Temp.
S-14				3/8 Gal.		Viscosity Temp.
W-6				550 lbs.		Make of Viscosimeter
W-77				260 lbs.		Flash Point
W-16				120 lbs.		Is Agitator Package Required
W-11				80 lbs.		Remarks
Yield						

GLD060558

A 460 B 2m 11-40 Printed in U. S. A.

FORMULA RECORD

Goods: End. Shade White Paste — Formula No. Y 18047

Consistency — Date 1/8/52 — Old No.

For Use on — Cost Classification

Code Number	1	5	½ Bbl.	Bbl.	2 Bbl.		Manufacturing Specifications
05	12	gal	12 gal		~~12~~ gal		Grind
04	20	"	"				Kind of Mill Cone
01	33	"	53 "				Rate per hr.
064	2	"	2 "				Strainer
* V715	1/2	"	1/2 "				Weight per Gallon 15 1/4 #
D 10	5	"	5 "				Light Baume Temp.
D 43	3/2	"	3/2 "				Heavy Baume Temp.
6779	3	"	3 "				Viscosity Temp.
							Make of Viscosimeter
W 77	270#						Flash Point
W 6	510#						Is Agitator Package Required
W 10	110#						Remarks
W 11	100#						C. 3004
* Note: Add V715 only if needed for Body.							1st Grade Paint
Yield							

GLD060559

FORMULA RECORD

Goods: Shade White Base

TORONTO

Consistency

Date: [illegible] Old No.

For Use on

Classification No.

Material	Code	1	S	Bbl.			Manufacturing Specifications
Raw Oil	01		48	gals			Grind
Hy Blown	253		6	"			Kind of Mill
Texaco	303		1½	"			Rate per hr.
Kingsley	310		3¾	"			Wt. per gal. Baume
Water	012		3/4	"			Strainer Viscosity
							Flash Point
Zinc Lead	032		135	#			**Testing Requirements**
25% Lead Base	103		495	#			Reduce with
Silica	069		135	#			Amount
Silica	011		35	#			Apply by
Filler	014		100	#			Surface
							Drying time
							Baking time
							Match for
							Std. Yield.

GLD060560

A 4800 10m 1-55 Printed in U.S.A.

FORMULA RECORD

Goods Endurance Paste White Base. Formula No. 4 1804 G

Consistency Liquid. Date 2/7/C 13 Lab. No.

For Use on Cost Classification

Code Number	Gal.	Drum		ANALYSIS		Manufacturing Specifications
0-1			32 Gal.	Pigment	62 %	Grind C
0-64			3	Vehicle	38	Kind of Mill Stone or pebble
0-171			35		100 %	Rate per hour
D-15			5	Pigment -		Strainer
8-43			2	Whitened Carbonate	15 %	Weight per gallon 15 lb #
67T9			3	" " Sulphate	20	Is Agitator Package Required
				Zinc Oxide	3.5	Remarks
W-76			150 #	Silicophone	15	Steel Pails-5
W-6			550 #	Silica or Silicates	15 %	Round cans 1/2 - 1/4
W-69			150 #		100 %	"Endurance Paint-Enamel"
W-16			75 #	Vehicle -		Spec. Label
W-11			75 #	Linseed Oil	92 %	
				Liquid Drier	8 %	
* V 715			16 Gal.		100 %	
* Add only as needed for Body.						
Yield						

GLD060561

A 430 C Form 5-33 Printed in U.S.A.

FORMULA RECORD

Goods: Endurance Shade White Base — Formula No. Y 1804 H

Consistency: Liquid — Date: 7/20/43 — Lab. No.

For Use on — Cost Classification

Code Number	1	S	½ Bbl.	Bbl.	2 Bbl.		Manufacturing Specifications
01	57	Gal.					Grind: C
064	3						Kind of Mill: Stone or Pebble
0166	10	Sunflower Seed Oil					Rate per hr.
815	5						Strainer
543	2						Weight per Gallon
6779	3						Light Baume — Temp.
							Heavy Baume — Temp.
W76	150#						Viscosity — Temp.
W6	550#						Make of Viscosimeter
W69	150#						Flash Point
W16	75#						Is Agitator Package Required
W11	75#						Remarks: JHW.
	yield 100						
Yield							

GLD060562

430-0 SDM 11-35

FORMULA RECORD

Goods: End. Shade White Base — Formula No. Y1804I

Consistency: Liquid — Date: 1-27-36 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	100 Gallon Batch Gals.	Lbs.	Ozs.
01	3/2						35		
015 or 0131	2						20		
04	1/4						12/2		
064	1/4						2/2		
D15	1/2						5		
543	1/4						2/2		
67T9	1/4						2/2		
W117		8	12					700	
W69		1	14					150	
W16			15					75	
W11			15					75	
Yield									

Manufacturing Specifications

Grind: C

Kind of Mill: Stone or Roll

Strainer

Weight per Gallon: 16#

Light Baume — Temp.

Heavy Baume — Temp.

Viscosity — Temp.

Viscosimeter

Flash Point

Is Agitator Required

Remarks: 8PW

GLD060563

1600 20M, 1-44 PRINTED IN U.S.A. 181

FORMULA RECORD

Goods ENDURANCE SHADE WHITE BASE — Formula No. Y 1804 N

Consistency — Date 1/23/45 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch			Gallon Batch			Gallon Batch			Manufacturing Specifications
	Pints	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	Gals.	Lbs.	Ozs.	
W 09		3	10		290					Grind C
W 6		6	14		550					Kind of Mill Pebble
W 10		1	7		115					Strainer
W 11		1	6		110					Weight per Gallon 15.5
										Light Baume Temp.
O-1	2-9/16			25-5/8						Heavy Baume Temp.
O-286	2-1/2			25						Viscosity Temp.
D 15	1/2			5						Viscosimeter
S 43	1-15/16			19-3/8						Flash Point
S 148	1/2			5						Is Agitator Required
										Remarks
	Changed to conserve Carbonate of Lead									
				Standard Formula. Not to be taken from File.						
Yield										

GLD060564

(30-D 5014 10-46 PRINTED IN U.S.A. (B)

FORMULA RECORD

Goods *Endurance Tint Base* Formula No. *Y 1804-0*

Consistency *Liquid* Date *11-25-46* Laboratory No.

For Use on Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specifications
W-104		2	3					175		Grind *1-2*
W-6		7	2					570		Kind of Mill *Pebble or*
W-69		2						160		Strainer *Hi-R*
W-16		1						80		Weight per Gallon *15.8#*
W-11		1						80		Light Baume Temp.
										Heavy Baume Temp.
O-5	1						10			Viscosity *85-90* Temp. *K.U.*
O-1	1 9/16						15 5/8			Viscosimeter
O-286	2 1/2						25			Flash Point
D-15	9/16						5 5/8			Is Agitator Required
S-43	1 7/8						18 3/4			Remarks *Hayward*
S-148	1/2						5			
67-T-9		1 lb. oz.					5/8			

Reformulated to replace 1 Pint O-1 with O-5.

Yield

Y 1804-0
3/12/47

Standard Formula, Not to be taken from File.

GLD060565

480-D 2546 11-43 PRINTED IN U.S.A. (B)

FORMULA RECORD

Goods: Endurance Tint Base — Formula No. Y1804-F

Consistency: Liquid — Date: 3-12-77 — Laboratory No.

For Use on: / — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.
W-104		4	11					375	
W-33		4	10					370	
W-69		2						160	
W-16		1						80	
W-11		1						80	
O-5	1						10		
O-1	1 1/16						15 5/8		
O-286	1/2						25		
V-15	3/16						5 5/8		
S-93	1 1/8						18 3/4		
S-198	1/2						5		
61-F-2			12 3/4				5 1/4		
				Formula changed to conform w/					
	Use Y1804-Q on 3-23-78								
Yield									

Manufacturing Specifications

Grind 1-2

Kind of Mill Ball or Pin

Strainer

Weight per Gallon 10.82

Light Baume Temp.

Heavy Baume Temp.

Viscosity 80-90 Temp. R.T.

Viscosimeter

Flash Point 119

Is Agitator Required

Remarks Haywood

GLD060566

ABO-3-30-40 PRINTED IN U.S.A. (WP)

FORMULA RECORD

Goods: ENDURANCE SHADE WHITE BASE — Formula No. Y1804K

Consistency: LIQUID — Date: 6-5-41 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	One Gallon Batch Lbs.	One Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Manufacturing Specifications
01				67 1/2						Grind C
063				2 1/12						Kind of Mill
D15				5						Strainer
S43				4						Weight per Gallon 16.2
67T9				1						Light Baume Temp.
										Heavy Baume Temp.
W6					485					Viscosity Temp.
W178					260					Viscosimeter
W69					160					Flash Point
W16					80					Is Agitator Required
W11					80					Remarks
Yield										

Standard Formula. Not to be taken from File

REISSUED TO MAKE ANALYSIS
COMPLY WITH LABELING LAWS

DISCONTINUED

SEE Y-1804-L
dated 3-12-45

J.P.W.

GLD060567

[redacted]

JSP-0 3014 PRINTED IN U.S.A. (8)

FORMULA RECORD

Goods: Endurance Shade White Base — Formula No. 1/8041

Consistency — Date 3/19/43 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	One Gallon Batch Lbs.	One Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Gallon Batch Gals.	Gallon Batch Lbs.	Gallon Batch Ozs.	Manufacturing Specifications
W114					375					Grind C
W35					320					Kind of Mill
W69					160					Strainer
W16					80					Weight per Gallon 14.2 #
W11					80					Light Baume Temp.
										Heavy Baume Temp.
01				33 3/4						Viscosity Temp.
0286				20						Viscosimeter
D15				5						Flash Point
S43				15 1/4						Is Agitator Required
S148				5						Remarks
6779				1						Hayward
Reduced to conserve linseed oil										
Yield										

Standard Formula. Not to be taken from File.

GLD060568

450-D 50M 2-44 PRINTED IN U.S.A. 131

FORMULA RECORD

Goods Enduring Shade White Base Formula No. [illegible]

Consistency Liquid Date 9-15-[illegible] Laboratory No.

For Use on Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specifications
W 104		2	3					175		Grind E
W 10		7	2					570		Kind of Mill Pebble
W 159		2						160		Strainer
W 16		1						80		Weight per Gallon 15.5#
W 11		1						80		Light Baume Temp.
										Heavy Baume Temp.
O-1	3 9/16						25 7/8			Viscosity 85-90 Temp. [illegible]
O 286	3 1/2						25			Viscosimeter Brookfield
D-15	1/2						5			Flash Point
L-43	1 3/16						19 3/8			Is Agitator Required
L-148	1/2						5			Remarks Lacquered
67-7-9			1 2 3/8 oz				5/8			
Reduced To Replace W 33 and W 26										
Yield										3.75 Gal. Lac.

Standard Formula
Not to be taken
from File.

DISCONTINUED
SEE 4-1804-0
11/25/46

GLD060569

460-D 50M 7-36 (E)

FORMULA RECORD

Goods Enduranew Shade White Base Formula No. Y-1804-

Consistency Liquid Date 8-26-37 Laboratory No.

For Use on Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	100 Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specification
Q-1	5½						55			Grind C
C-5	1¼						12½			Kind of Mill
C-62	¼						2½			Strainer
D-15	½						5			Weight per Gallon 16 lbs
S-43	¼						2½			Light Baume Temp.
67-T-9	¼						2½			Heavy Baume Temp.
										Viscosity Temp.
W-117		8	12					700		Viscosimeter
W-69		1	14					150		Flash Point
W-16			15					75		Is Agitator Required
W-11			15					75		Remarks
										All Plants 8-28-
	[illegible]									
Yield										

GLD060570

(93-D 50M 10-46 PRINTED IN U.S.A. (B))

FORMULA RECORD

Goods Endurance Tint Base — Formula No. Y1804-P

Consistency Liquid — Date 3-12-47 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.
W-104		4	11					375	
W-33		4	10					370	
W-69		2						160	
W-16		1						80	
W-11		1						80	
O-5	1						10		
O-1	1 1/16						15 5/8		
O-286	2 1/2						25		
V-15	9/16						5 5/8		
S-43	1 7/8						18 3/4		
S-148	1/2						5		
67-F-9			12 oz				5/8		
				Formula changed to Conform W-6					
Yield									

Manufacturing Specifications

Grind 1-2

Kind of Mill Ball-mill

Strainer

Weight per Gallon 15.8#

Light Baume — Temp.

Heavy Baume — Temp.

Viscosity 85-90 — Temp. R.T.

Viscosimeter

Flash Point

Is Agitator Required

Remarks Hayward

Standard Formula. Not to be taken from File.

GLD080571

4804-D 30M 10-48 PRINTED IN U.S.A. (01)

FORMULA RECORD

Goods Continuous Tint Base — Formula No. Y 1804-D

Consistency Liquid — Date 4-21-47 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specifications
20% Treated Zinc Oxide		6	12					5 1/2		Grind 1-3
										Kind of Mill Ball Mill
										Strainer
W-33		2						205		Weight per Gallon 15.8#
W-69		2						160		Light Baume Temp.
W-16		1						80		Heavy Baume Temp.
W-11		1						80		Viscosity 85-90" Temp. F.U.
										Viscosimeter
O-5	1						10			Flash Point
O-1	1 7/16						15 5/8			Is Agitator Required
O 286	2 1/2						25			Remarks H.L.H
D-15	3 1/16						55 5/8			Formula for use in Combined W-6
S-43	1 7/8						18 3/4			
S-148	1/2						5			This base to be used for Lacker tints
W-9			16				5			Loss on account of this called after 70 T. Loaded
Yield										

DISCONTINUED SEE Y 1809-P ae 7-11-47

Scrap to be used from this

GLD060572

Alternate

FORMULA RECORD

Basis Endurance Tint Base — Formula No. Y1804-P

Consistency — Date 7-11-47 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.
W-104		4	3						
10% Leaded Zinc Ox		5	2						
W-69		2							
W-16		1							
W-11		1							
O-5	1								
O-1	17/16								
O-236	2 1/2								
V-15	9/16								
S-148	1/2								
S-43	1 7/8								
67T9			1 Bag						

Manufacturing Specifications

Grind 1-2

Kind of Mill Hu-Ron

Strainer Pebble

Weight per Gallon 15.8#

Light Baume Temp.

Heavy Baume Temp.

Viscosity 85-90 Temp. K.U.

Viscosimeter

Flash Point 119F

Is Agitator Required

Remarks Hayward

Discontinued

Yield Alternate formula to use 10% Leaded Zinc

GLD060573

490-E 40M 5-44 PRINTED IN U.S.A. (8)

FORMULA RECORD

Goods: Endurance Shade White Base

Formula No.: Y-1804

Consistency: Fluid

Laboratory No.:

For use on:

Cost Class.: Date: 8-

Customer:

Strained: Grind:

Mill: Pebble + Hi-

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Large Batch Gals.	Lbs.
W-69		3	10		290
W-6		6	14		550
W-10			12		60
W-11		2	1		165
O-1	3			30	
O-5	1			10	
O-286	1 1/2			15	
D-15	9/16			5 5/8	
S-43	1 15/16			19 3/8	
Yield					

Is agitator required:

Wt. or Be: 15.7 Temp.:

Viscosity: 85-90 Temp.: RL

Viscosimeter:

Color: White Sheen:

Non Vol.: Flash Pt.: 105 F

Watch for:

Reducer:

Amt. for brushing: F.B.

Spraying: Tumbling:

Dipping: Drip time:

Bake: Temp.:

Air dries in:

A. D. to recoat in: 72 hrs

Remarks: Changed to ease brushing

Standard Formula. Not to be taken from File.

Formulator: H.G.H

To Foil

-1 54 lb

-5 18.1

-286 27.14

GLD060574

SLIPPY BRIDT PRINTED IN U.S.A. FRONT

FORMULA RECORD

GOODS: Endurance 1804 Tinting White

CONSISTENCY: Liquid

FOR USE ON

CUSTOMER

FORMULA NO. Y-1804-R

LABORATORY NO.

COST CLASS. DATE 8/1/50

STRAINER GRIND 2-3

MILL Pebble WT. OR SE 15.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-69		2	14		230	
W-35		5	3		415	
W-1		2			160	
W-10			12		60	
W-11		2	13		225	
O-1	2 7/8			28 3/4		
O-5	1 1/4			12 1/2		
O-286	3/4			7 1/2		
**VR 49098 OR O-315	3/4			7 1/2		
S-43	1 3/4			17 1/2		
D-15	5/8			6 1/4		
**S-25			2 loz/gal			

* Add if needed to bring viscosity up to standard

** Drisoy W O-315 can be used to replace VR 49098

YIELD 2 gal

Standard Formula Not to be taken from File.

15 AGITATOR REQUIRED

VISC.F.B. 85-90KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN.

NON VOL. FLASH PT.

MATCH FOR

REDUCER

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN overnight

A. D. TO RECOAT IN 72 hours

REMARKS: Use this formula until W-170 can be obtained in sufficient quantity then new formula will be issued.

FORMULATOR I Wangenoss KSH 26-1-6

GLD060575

Form 47,50M 3-46 A&E printed in U.S.A.

COST DEPARTMENT RECORD

Goods: Endurance Shade White Base — Formula No. V1804 Ten

Consistency — Date: 5/16/49 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specificati
W69		2	13							Grind 1-2
W35		5								Kind of Mill Pebble
W104		1	14							Strainer
W11		3	7							Weight per Gallon 15.5
										Light Baume Temp.
01	2 7/16									Heavy Baume Temp.
05	1 7/16									Viscosity 15-90 K
0286	1 7/8									Viscosimeter Kreb
D15	5/8									Flash Point
543	1 3/4									Is Agitator Required
										Remarks
add Pur										A.B. 72 Rev
LEJ 0183			14 oz							
4/1/49 M25	as needed									
Used % 0.1	43.	33%								J Wangne Lab
% 05	23.	33%								
Yield % 0286	33.	33								

Standard Formula
Active
Discontinued
See

GLD060576

GLIDDEN 460-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

GOODS: Endurance #1804 Tinting White

CONSISTENCY: Liquid

FOR USE ON

CUSTOMER

FORMULA NO. Y-1804-S

LABORATORY NO.

COST CLASS. DATE 6/19/52

STRAINER GRIND 2-3

MILL Pebble WT. OR BE 14.7

IS AGITATOR REQUIRED

VISC. F.B. 105-145" TEMP. 80°

VISC. KOEG 85-90 KU TEMP. 80°

VISCOSIMETER #4 F.C. & Stormer

COLOR SHEEN 65°

NON VOL. FLASH PT.

MATCH FOR Lab. Std.

REDUCER

AMT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN Overnight

A. D. TO RECOAT IN 72 hrs.

REMARKS:

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-35		3	15		3 15	
W-1		1	9		1 9	
W-170		1	8		1 8	
W-10		1	8		1 8	
W-11		3	11		[illegible]	
O-1	2-7/8			28 3/4		
O-5	1-1/4			12		
O-286	3/4			7 1/2		
VR-49098	3/4			7 1/2		
S-43	1-3/4			17 1/2		
D-15	5/8			6 1/2		
S-14			1			80
*O-325			1			80

*Hold to adjust body.

Changed to improve hiding & tint retention.

YIELD

FORMULATOR H.G. Hayward H.

25-8-4

Standard Formula. Not to be taken from File.

GLD060577

COST	DATE	ANALYSIS		CUSTOMERS Y-1804-S 6/19/52
		PIGMENT	61.8 %	
		VEHICLE	38.2 %	Endurance House Paint
			100.0 %	#1804 Tinting White
				All Plants 6-22-52
		PIGMENT		
		10% Leaded Zinc Oxide	32.3%	
		Basic Sulphate White Lead	12.8	
		Titanium Oxide	12.3	
		Barium Sulphate	12.3	
		Magnesium Silicate	30.3	
			100.0 %	
		VEHICLE		
		Linseed Oil	47.2%	
		Treated Soya Oil	26.0	
		Mineral Spirits	19.2	
		Liquid Drier	7.6	
			100.0 %	
		Y-1804	256	

GLD060578

GLIDDEN 480-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1804-T

GOODS Endurance #1804 Tinting White

LABORATORY NO.

CONTENTS Liquid

COST CLASS. DATE 8/3/53

FOR USE ON

STRAINER GRIND 2-3

CUSTOMER

MILL Pebble or WT. OR BE 14.7#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-35		3	15		315	
W-1		1	9		125	
W-170		1	8		120	
W-10		1	8		120	
W-188		3	11		295	
O-1	2-7/8			28-3/4		
O-5	1-1/4			12-1/2		
O-286	3/4			7-1/2		
O-398	3/4			7-1/2		
S-43	1-3/4			17-1/2		
D-15	5/8			6-1/4		
S-14			1			80
*O-325			1			80
YIELD	1.36 Gal.					

IS AGITATOR REQUIRED Hi-R

VISC. F.B. 104-115" TEMP.

VISC. BOX 85-90 KU TEMP.

VISCOSIMETER #4 F.C. & Stormer

COLOR White SHEEN 65*

NON VOL. FLASH PT.

MATCH FOR Y-1804

REDUCER S-43

WT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 24 hrs.

A. D. TO RECOAT IN 72 hrs.

REMARKS:

Standard Formula. Not to be taken from File.

FORMULATOR Southwick - H.H. 27-6

* hold to adjust body.

Changed to use W-188 instead of W-11.

GLD060579

COST	DATE	ANALYSIS		CUSTOMERS Y-1804-T
		PIGMENT	61.9 %	All Plants - Y-Lab 8-7-5
		VEHICLE	38.2 %	
			100.0 %	Montreal & Sweall (Tr.) 6-14-54
				Zacto (Henry) (For Cuba) 7-28-54
		PIGMENT		Cuba 11-29-55
		10% Leaded Zinc Oxide	32.3%	
		Basic Sulphate White Lead	12.8	
		Titanium Oxide	12.3	Peru 3-29-56
		Barium Sulphate	12.3	
		Magnesium Silicate	30.3	Brodie (Chile) 5-15-56
			100.0 %	Columbia 7-10-56
		VEHICLE		
		Linseed Oil	47.2%	
		Treated Soya Oil	25.0	
		Mineral Spirits	19.2	
		Liquid Drier	7.6	
			100.0 %	
		PVC = 32.5%		

GLD060580

PETTIGREW ASS-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

GOODS: Endurance - Tint Base

CONSISTENCY: Liquid

FOR USE ON:

CUSTOMER:

FORMULA NO.: **Y-1804 Emergency

LABORATORY: Temporary

COST CLASS: DATE: 7/11/55

STRAINER: GRIND: 3-4

MILL: Pebble or WT. OR SE: 13.45

IS AGITATOR RECOMMENDED: Hi R

VISC. F.D.: 85-90 KU TEMP.:

VISC. RED.: TEMP.:

VISCOSIMETER: Stormer

COLOR: White SHEEN:

NON VOL.: FLASH PT.:

MATCH FOR:

REDUCER: S-43

AMT. FOR BRUSHING: PB

SPRAYING: TUMBLING:

DIPPING: DRIP TIME:

BAKE: TEMP.:

AIR DRIES IN: O.N.

A. D. TO RECOAT IN: 72 hrs.

REMARKS: Sample of every batch to be sent to H. Homans.

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180		4	12			
W-55		3	11			
W-63		2	12			
CH-185			1/2			
O-286	1-1/2					
O-1	3-1/8					
O-9	1					
S-43	2-3/8					
VM-432			2 oz.			
VM-433			1/4			
* O-325			2			

Standard Formula. Not to be taken from File.

* Use only if necessary for body.

** Use only in absolute emergency when all efforts to obtain W-170 have been exhausted- Must not be made for stock.

Approved in emergency par Mr. Mutersbaughs' letter of 7/11/55.

YIELD: 1.39 Gal.)

FORMULATOR: H. Homans

PGH 28-8-8

GLD060581

GLIDDEN REG-14 PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. **Y-1804 Emergency

GOODS Endurance - Tint Base

LAMPOXXXXXXX & Temporary

CONSISTENCY Liquid

COST CLASS. DATE 7/11/55

FOR USE ON

STRAINER GRIND 3-4

CUSTOMER

MILL Pebble or WT. OR BC 13.45

IS AGITATOR/DEVELOPER Hi R

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180		4	12			
W-53		3	11			
W-63		2	12			
CH-185			1/2			
0-286	1-1/2					
0-1	3-1/8					
0-9	1					
S-43	2-3/8					
VM-432			2			
VM-433			1/4			
* 0-325			2			

Reissued 8/24/55 to add analysis.

Standard Formula Not to be taken from File.

VISC. F.B. 85-90 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR White SHEEN

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

ANT. FOR BRUSHING PB

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN 72 hrs.

REMARKS:

Sample of every batch to be sent to H. Homans.

* Use only if necessary for body.

**Use only in absolute emergency when all efforts to obtain W-170 have been exhausted-Must not be made for stock.

Approved in emergency per Mr. Mutersbaughs' letter (of 7/11/55)

FORMULATOR H. Homans

YIELD 1.39 gal.)

28-8-8

GLD060582

COST	DATE	ANALYSIS		CUSTOMERS Y-1804
		PIGMENT	59.9 %	Endurance - Tint Base
		VEHICLE	40.1 %	
			100.0 %	8/24/55
				Chem-Only one Y-Trade Sales Trial
		PIGMENT		
		Titanium Calcium Pigment	42.5%	Bryan (Rely) 8-24-55
		Zinc Oxide	33.0	
		Calcium Carbonate	24.5	Ciba 11-14-55
			100.0 %	[illegible] 11-14-55
				[illegible]
		VEHICLE		
		Treated Linseed Oil	73.8%	
		Mineral Spirits & Drier	26.2	
			100.0 %	
		Y-1804	558	

GLD060583

GLIDDEN 4-53-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1804-U

GOODS Endurance Tint Base

LABORATORY NO.

CONSISTENCY Liquid

COST CLASS. DATE 9/4/56

FOR USE ON

STRAINER GRIND 3-4

CUSTOMER

MILL Pebble or WT. OF BE 13.6#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180		5			350	
W-33		3	11		260	
W-63		2	12		195	
W-195			1		4-1/2	
O-286	1-1/2			13		
O-62	1/4			2-1/4		
O-1	4-1/2			40		
S-43	1-1/2			13		
S-148	1/2			4-1/2		
VM-432			2 Loz.	1-1/8		
VM-523			1 Loz.	1/2		
VM-433			5/16 Loz.			22 Loz.
S-72			1/2 Loz.			35 Loz.
APA Advance Puffing Agent if needed.				1/8 or 1/4 Gal. /100 Gals.		
YIELD	1.42			100		

IS AGITATOR REQUIRED Hy-R

VISC. F.O. 85-90 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

AVAIL. FOR BRUSHING as needed

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

Standard Formula. Not to be taken from this.

AIR DRIES IN O.N.

S. D. TO RECOAT IN 72 hrs.

REMARKS:

FORMULATOR J.E. Southwick

28-8-8

GLD060584

COST	DATE	ANALYSIS		CUSTOMERS Y-1804-U
		PIGMENT 59 %		Endurance Tint Base
		VEHICLE 41 %		9/4/56
		100		"Y" Trade Sales List 9-10-56
				~~[illegible]~~
		PIGMENT		Kettle Pour 9-13-56
		Titanium Calcium	43%	per L.N.
		Zinc Oxide	32	
		Calcium Carbonate	25	
			100%	
		VEHICLE		
		Raw Linseed Oil	55%	
		Bodied Linseed Oil	22	
		Mineral Spirits & Driers	23	
			100%	
		Y-1804	659	

GLD060585

FORMULA RECORD

FORMULA NO. Y-1804 SF & Tor.

GOODS Alkyd House Paint - Tint Base

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 6/10/60

FOR USE ONLY in Y-1856, Y-1857, Y-1859, Y-1886, Y-1887 & Y-1888

STRAINER GRIND 6

CUSTOMER TORONTO + SAN FRANCISCO

MILL Pebble WT. OR BE 9.5#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-170 or W-208				(4.15)	145	
W-188				(2.31)	55	
W-154				(2.44)	55	
CH-185				(.26)	2.3	
W-218) Premix before				(.4)	6	
S-72) adding to mill				.46	(3)	
V-869				62.7	(492)	
O-265				14.0	(108)	
S-43				9.5	(62)	
VM-523				.5	(4)	
VM-433				.25	(2)	
VM-432				.63	(6)	
D-83				.58	(4)	
CH-359				.70	(1.5)	
VM-659				.8	(6.4)	
*Jelomer 903(W-486)				.28	(2.0)	
*Alkydol Labs. Inc.						
YIELD				99.4	954.2	

Standard Formula. Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F.B. 78-82 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN Ni-Gloss

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN 48 hrs.

REMARKS:

CAUTION: WHEN DETERMINING VISCOSITY-MATERIAL IS THIXOTROPIC.

FORMULATOR J.E. Southwick

GLD060586

COST	DATE	ANALYSIS		CUSTOMERS Y-1804 SF &T
		PIGMENT 27.4 %		Alkyd House Paint - Tint Base
		VEHICLE 72.6 %		
		100.0%		Cleve - Waterbury - Southern
				TMS or pineallegues
				6-19-60
		PIGMENT		
		Titanium Dioxide	55.4	
		Yellow Chromate	21.[illegible]	Tm + Sen Fam 6-14-60
		Magnesium Silicate	23.1	Bal Zinc 7-11-60
			100.0	
		Tinting material less than 5%		5/10/60
		VEHICLE		
		Soya Alkyd Resin	58.1%	
		Mineral Spirits & Driers	41.9	
			100 %	

GLD060587

GLIDDEN RED-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1804 SF & Tox.

GOODS Alkyd House Paint - Tint Base

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 7/28/60**

FOR USE IN Y-1856, Y-1857, Y-1859, Y-1886, Y-1887 & Y-1888

STRAINER GRIND 6

CUSTOMER TASANTE V SAE [illegible] Co.

MILL Pebble WT. OR BE 9.5#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-170 or W-206				(4.15)	45	
W-188				(2.31)	55	
W-154				(2.44)	55	
WA-165				(.26)	2.3	
W-218) Premix before				(.4)	6	
S-72) adding to mill				.46	(3)	
W-869				62.7	(492)	
W-265				14.0	(108)	
S-43				9.5	(62)	
VM-523				.5	(4)	
VM-433				.25	(2)	
VM-432				.63	(6)	
V-63				.58	(4)	
VM-359				.20	(1.5)	
VM-659				.8	(6.4)	
Telomer 903(M-486)				.28	(2.0)	
YIELD				98.4	754.2	

Standard Formula Not to be taken from File.

IS AGITATOR REQUIRED

VISC. F.38-82 KU TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN 1-Gloss

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

MAT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. O. TO RECOAT IN 48 hrs.

REMARKS:

CAUTION: WHEN DETERMINING VISCOSITY-MATERIAL IS THIXOTROPIC.

FORMULATOR J.E. Southwick

*Alkydol Labs. Inc.

**REISSUED TO SHOW CORRECTION. DESTROY COPY DATED 6/10/60.

GLD060588

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT [illegible] %	[illegible]
		VEHICLE [illegible] %	
		[illegible]	[illegible]
		PIGMENT	[illegible]
		[illegible]	
		[illegible]	[illegible]
		[illegible]	
		[illegible]	[illegible]
			[illegible]
		Pinting material less loss [illegible]	[illegible]
		VEHICLE	Clevi
		Oil Alkyd Resin [illegible]	Mattsburgh - Southwick -
		Mineral Spirits & Driers [illegible]	TMS also [illegible]
		[illegible]	[illegible] / Enamel Lit
			7-28-60
			Loktite (SF) 9-2-60
			Mel Jadin 12-6-61

GLD060589

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FORMULA RECORD DISCONTINUED

NOTEBOOK NO. Y-1804-U

GOAL: Endurance Tint Base

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 9/26/5

FOR USE ON Dentroy formula dated 9/4/55-E

STRAINER

GRIND 3-4

CUSTOMER

MILL Pebble or 70-3-5

WT. OR BE. 13.5

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180		5			350	
S-35		3	11		260	
W-65		2	12		195	
W-195			1		4-1/2	
-286	1-1/2			13		
-52	1/4			2-1/4		
C-1	4-3/8			38-1/2		
S-43	1-3/8			12		
S-148	1/2			4-1/2		
VM-432			2 Loz.	1-1/8		
VM-523			1 Loz.	1/2		
VM-433			5/16 Loz.			22 Loz
S-72 or S-91			1/2 Loz.			35 Loz
APA Puffing Agent (hold) as needed.				1/8 or 1/4 gals./100 gals.		

YIELD 1.42 100

IS AGITATOR REQUIRED Hi-R

VISC. F.D. 85-90 TEMP.

VISC. RED. TEMP.

VISCOSIMETER Stormer

COLOR SHEEN

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

WT. FOR BRUSHING As needed

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN O.N.

A. D. TO RECOAT IN 72 hrs.

REMARKS: Changed for lower cost.

FORMULATOR J.E. Southwick 26-8-8

Standard Formula. Not to be taken from File.

GLD060590

COST	DATE	ANALYSIS		CUSTOMERS Y-1804-U
		PIGMENT	59 %	Endurance Tint Base
		VEHICLE	41 %	
			100 %	"Y" Trade Sales List 10-8-[illegible]
				Ecuador 2-16-57
		PIGMENT		
		Titanium Calcium	43%	
		Zinc Oxide	32	Bolivia Ecuador
		Calcium Carbonate	25	
			100%	
				No change in analysis.
				Dreco 2-15-57
				Portland-Van-A Fran 6-17-5[illegible]
				Chile 10-16-58
		VEHICLE		West Indies 11-24-[illegible]
		Raw Linseed Oil	55%	Black Indies 1-15-59
		Bodied Linseed ~~Oil~~ Oil	22	Cuba Mexico 2-16-60
		~~Naberak Spirits & Driers~~	23	
		Mineral Spirits & Driers	100%	
		Y-1804	559	

GLD060591

FORMULA RECORD

GOODS: Endurance Tint Base

CONSISTENCY:

FOR USE ON:

CUSTOMER:

FORMULA NO.: Y-1804-U

LABORATORY NO.:

COST CLASS.: DATE 4-27-59

STRAINER: GRIND

MILL: WT. OR BE

IS AGITATOR REQUIRED

VISC. F.B.: TEMP.

VISC. RED.: TEMP.

VISCOSIMETER

COLOR: SHEEN

NON VOL.: FLASH PT.

MATCH FOR

REDUCER

AKT. FOR BRUSHING

SPRAYING: TUMBLING

DIPPING: DRIP TIME

BAKE: TEMP.

AIR DRIES IN

A. D. TO RECOAT IN

REMARKS:

FORMULATOR

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH		
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.
DISCONTINUED						
USE 85-21-1						
1-W-12	TINT BASE					
FOR HOUSE PAINT						
YIELD						

Standard Formula. Not to be taken from File

GLD060592

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT %	Rubber Co 8-26-60
		VEHICLE %	Sakrete 10-25-60
		PIGMENT	
		VEHICLE	

GLD060593