FORMULA RECORD

Goods #1250 Delphinium Blue Japalac — Formula No. Y1250

Consistency — Date 12-17-37 — 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
40W127	7						8 1/2			Grind Mix
V202	1/2						6/4			Kind of Mill
V706	1/2						6/4			Strainer
										Weight per Gallon 10.7#
93A3			4	Ozs.				25		Light Baume Temp.
87A16			9					56		Heavy Baume Temp.
87R2			1/2					3		Viscosity Temp.
93B7							trace			Viscosimeter
										Flash Point
B43	1/4 Pt. Extra to GAL						3			Is Agitator Required
										Remarks J.P.W.

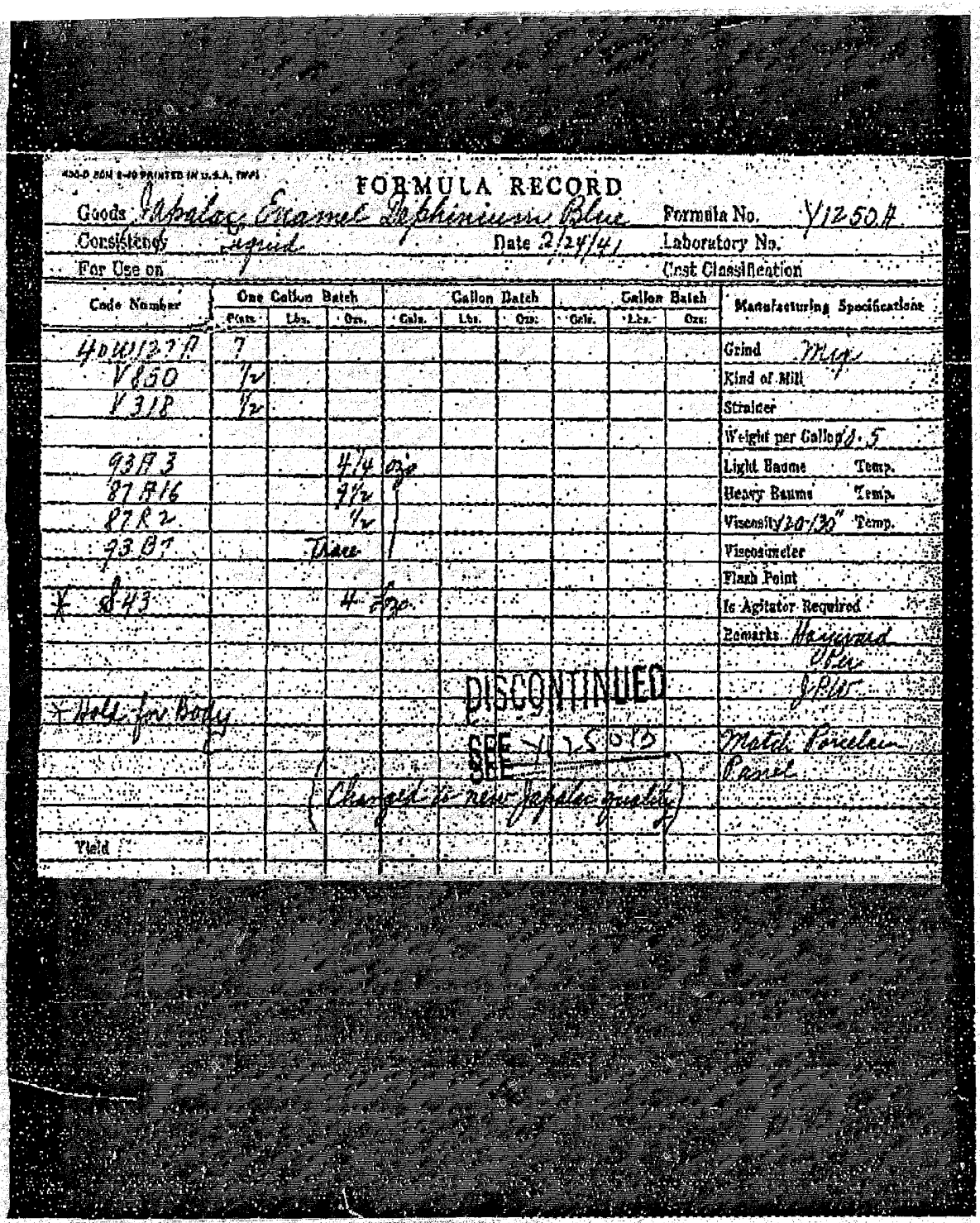
DISCONTINUED

SEE Y-1250A

Yield

N12390

GLD060278



400-D 50M 8-40 PRINTED IN U.S.A. (WP)

FORMULA RECORD

Goods Japalac Enamel Delphinium Blue — Formula No. Y1250A

Consistency Liquid — Date 2/24/41 — Laboratory No.

For Use on — Cost Classification

Code Number	One Gallon Batch Plate	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Manufacturing Specifications
40W127A	7									Grind Mig
V850	1/2									Kind of Mill
V318	1/2									Strainer
										Weight per Gallon 8.5
93A3			4 1/4	ozs						Light Baume Temp.
87A16			9 1/2							Heavy Baume Temp.
87R2			1/2							Viscosity 120-130" Temp.
93B7			Trace							Viscosimeter
										Flash Point
* S43			4	ozs.						Is Agitator Required
										Remarks Hayward
										Over
										JPW
* Hold for Body										
										Match Porcelain
										Panel
			(Changed to new Japalac quality)							
Yield										

DISCONTINUED
SEE Y1250B

GLD060279

GLD060280

COST DEPARTMENT RECORD

DISCONTINUED

Goods JAP-A-LAC ENAMEL DELPHINIUM BLUE

Consistency

For Use on

Customer

Date 12/11/41

Classified Formula No. Y-1250A(RDC)

Laboratory Formula No.

Factory Letter No. R-101-047

Production No.

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
10WL02			64							Grind MIX
										Kind of Mill
87A3										Strainer
87A4	To Shade									Weight per Gallon
87R2										Light Baume Temp.
										Heavy Baume Temp.
										Viscosity Temp.
										Viscosimeter
										Flash Point
										Is Agitator Required
Yield										Formulator J. FRYCE

| Characteristics and Marks of Dyes | | |

DISCONTINUED

FORMULA RECORD

Goods Japalac Enal Delphinium Blue Formula No. Temporary Y1250 B

Consistency Liquid Date 11-19-41 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
40W127 B	7									Grind Mix
V706 S	1/2									Kind of Mill
V705 CL	1/2									Strainer
										Weight per Gallon 10.57
93B 3			4 1/4							Light Baume Temp.
87B 16			3 1/2							Heavy Baume Temp.
87B 2			1/2							Viscosity 12 Temp.
93B 7		trace								Viscosimeter
										Flash Point
X 543										Is Agitator Required
										Remarks
* Hold for Body										Hayward
										Match
										Porcelain Panel

GLD060282

GLD060283

[illegible] PRINTED IN U.S.A. [illegible]

FORMULA RECORD

DISCONTINUED

Goods [illegible] Ena Delphinium Blue Formula No. V1250 B

Consistency [illegible] Date 11-19-41 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.	
40W127B	3									Grind Mill
V706 S	1/2									Kind of Mill
V705 CL	1/2									Strainer
										Weight per Gallon 10.5#
93A 2			4 1/4							Light Baume. Temp.
87A 16			9 1/2							Heavy Baume Temp.
87A 2			1/2							Viscosity 120-30 Temp.
93.37		trace								Viscosimeter
										Flash Point
X 543			4							Is Agitator Required
										Remarks
X Hold for Body										Hayward
										Match
										Porcelain Panel
Yield										

GLD060284

FORMULA RECORD

Temporary

Goods Delphinium Blue Japalac Formula No. Y1250

Consistency Liquid Date 12-6-46 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
W69		2	13½							Grind 7-8
W143		1	1½							Kind of Mill Pebble
W104			1¾							Strainer
BL74			2							Weight per Gallon 10.4 lbs
R250			2⅛							Light Baume Temp.
										Heavy Baume Temp.
V357	1⅝									Viscosity 88-90 Temp.
VR4501.6	5⅛									Viscosimeter #4 Ford
063	⅜									Flash Point
S-43	⅛									In Agitator Required
D2A			4							Remarks Match Y934
D15			2							Std. Porcelain Paint
										Heideloff
Yield										

Standard Formula. Not to be taken from File.

DISCONTINUED SEE Y1250 D 6-20-47

GLD060285

488-D 50M 4-43 PRINTED IN U.S.A. (8)

FORMULA RECORD

Goods Hilphenium Blue Japalac — Formula No. Y 1250 C

Consistency Liquid — Date 4-18-46 — 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.	
[illegible] W 127 C	7						70			Grind [illegible]
[illegible] 45016	3/4						7 1/2			Kind of Mill
V 357	1/4						2 1/2			Strainer
										Weight per Gallon 12.5
93 H 79			7 7/8					126		Light Baume Temp.
										Heavy Baume Temp.
93 R 250			3 7/8					62		Viscosity 80-70 Temp.
										Viscosimeter [illegible]
										Flash Point
										Is Agitator Required
										Remarks
										Match Y 934 [illegible]
										Panel
										Beach
Yield										

DISCONTINUED
SEE Y 1250 D
6-20-47

Standard Formula
Not to be taken
from [illegible]

GLD060286

FORMULA RECORD

Goods Japalac Enamel Delphinium — Formula No. Y1250 D

Consistency Liquid — Date 6-20-47 — 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
W-69		2	4½					182	8	Grind 7-8 Roller
W-104			1⅜					6	14	Kind of Mill or Pebble
BL-74			19/16					7	13	Strainer
R250			1¼					6	4	Weight per Gallon 10.25#
W143			14					70		Light Baume Temp.
										Heavy Baume Temp.
V858	5						50			Viscosity 80-50 Temp.
V-119	1¼						12½			Viscosimeter #4 Ford Cup
V-159	1¼						12½			Flash Point
S-43	½						5			Is Agitator Required
D2H			2 Loz.				1¼			Remarks Match Std.
D29			2"				1¼			Chip or sample
										of Y1250

Standard Formula Not to be taken from File.

Standard Formula Active
Discontinued 2-4-48
See Y1250D

Johnston

Yield

GLD060287

FORMULA RECORD

GOODS Japalac Delphinium Enamel

CONSISTENCY Liquid

FOR USE ON

CUSTOMER

FORMULA NO. Y-1250-E (Temp)

LABORATORY NO.

COST CLASS. DATE 9/17/50

STRAINER GRIND 7-8

MILL Pebble WT. OR BE 10-1/2#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-69		2	4		180	
BL-74			1-11/16		8-1/2	
R-250			1-1/4		6-1/4	
W-91			14		70	
W-104			2		10	
Witcarb "R"			4		20	
M-333			1		5	
CH-185			1/2		2-1/2	
V-872	3-1/2			35		
V-357	4-1/4			42-1/2		
S-90	1/8			1-1/4		
S-43	1/8			1-1/4		
D-29		2 Liq oz/gal		1-1/4		
D-75		2 " " " "		1-1/4		
CH-243		1/8" " " "			10 Liq oz	
RL-8721		1/8" " " "			10 " "	

To be used when W-140 is not available

YIELD

IS AGITATOR REQUIRED

VISC. F.B. 20-90" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Cup

COLOR Blue SHEEN Gloss

NON VOL. FLASH PT. 100°

MATCH FOR Y-934

REDUCER S-43

ANT. FOR BRUSHING F B

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs

A. D. TO RECOAT IN 24 hrs

REMARKS:

Standard Formula, [illegible] taken from File.

FORMULATOR H G H

26-4

4818F 70M 4-48 Printed in U.S.A. L.P.

FORMULA RECORD

Goods # Japalac Delphinium Enamel

Consistency Liquid

For use on

Customer

Formula No. Y-1250-E

Laboratory No.

Cost Class. Date 8/25/49

Strainer Grind 7-8

Mill Pebble Wt. or Be 10-1/2#

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Large Batch Gals.	Lbs.
W-69		2	4		180
BL-74			1-11/16		8-1/2
R-250			1-1/4		8-1/4
W-91			14		70
W-104			2		10
93-W-140			8		40
M-333			1		5
CH-185			1/2		2-1/2
V-872	3-1/2			35	
V-357	4-1/4			42-1/2	
S-90	1/8			1-1/4	
S-43	1/8			1-1/4	
D-29		2 Lot/gal		1-1/4	
D-75		2 " "		1-1/4	
CH-243		1/8 " "		10 oz	
RL-[illegible]		1/4		10	

Is agitator required

Wt. 10-1/2# Temp.

Viscosity 80-90" Temp.

Viscosimeter #4 Cup

Color Blue Sheen Gloss

Non Vol. Flash Pt.

Match for Y-934 porcelain

Reducer S-43 as needed

Amt. for brushing

Spraying Tumbling

Dipping Drip time

Bake Temp.

Air dries in 4-6 hrs

A.D. to recoat in 24 hrs

Remarks

Standard Formula

Active

Discontinued

Sec

Formulator H. G. Hayward J.S.

* Replace formula dated 6/23/49

Addition of Anti Skinning Agent.

[illegible]

Yield

GLD060288

GLD060289

FORMULA RECORD

Goods: Japalac Delphinium Enamel
Consistency: Liquid
For Use on:
Formula No.: Temp 1250 D
Date: 2-4-48
Laboratory No.:
Cost Classification:

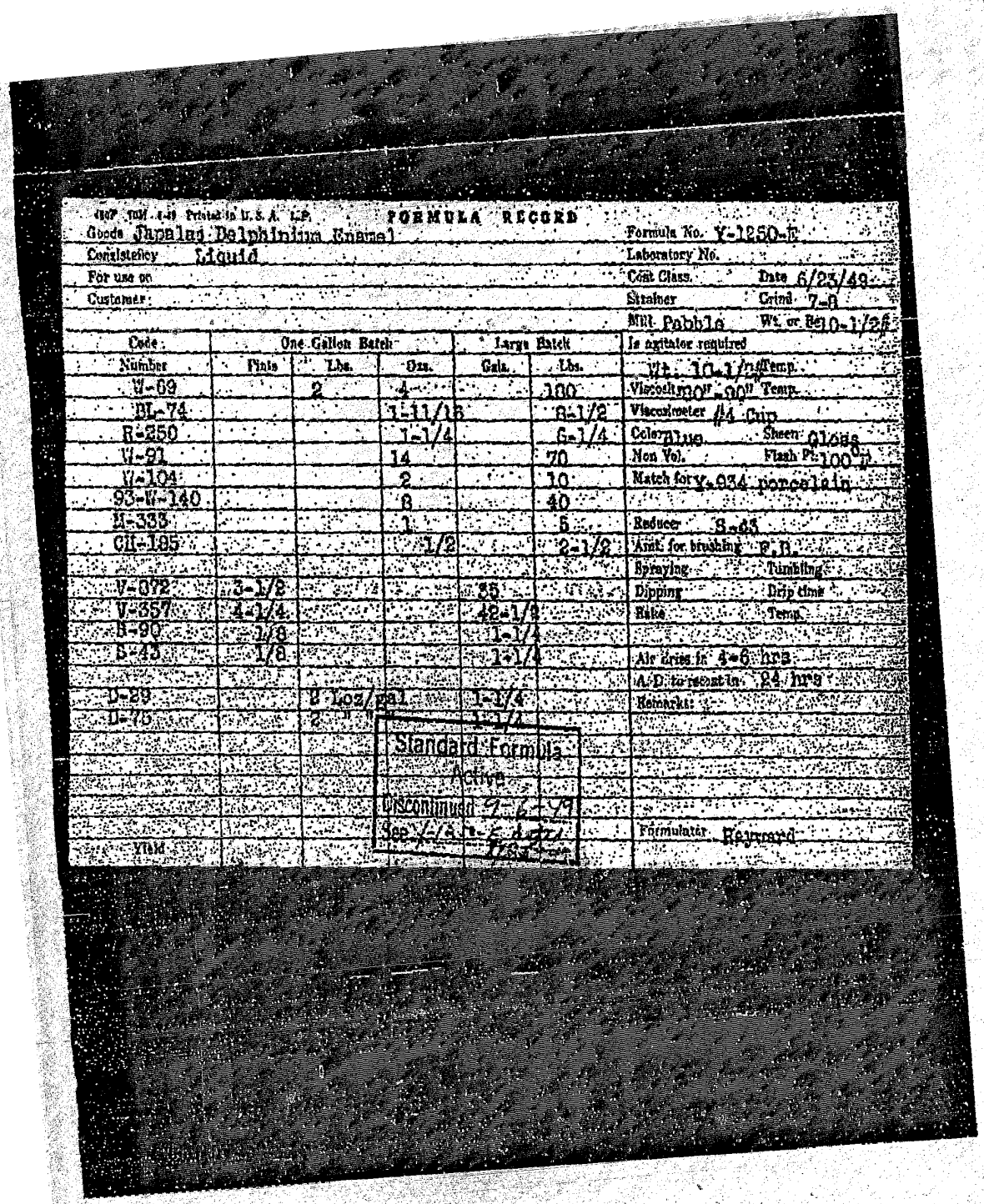
Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.	Gallon Batch Gals.	Lbs.	Ozs.
W-69		2	4½						
BL-74			1 9/16						
R-250			1¼						
W-91			14						
W-104			2						
M-333			½						
D65A Duraplex or 1240 Aroplaz	3 3/16								
V-357	4¼								
S-43	½								
D-44			2 Lg/gal						
D-29			2 " " "						

DISCONTINUED
SEE Y 1250 E
6/23/49

Standard Formula
Made Lacquer
from File

Manufacturing Specifications:
Grind: 7-8
Kind of Mill: Pebble
Strainer:
Weight per Gallon: 10¼
Light Baume: Temp.
Heavy Baume: Temp.
Viscosity: 80-90" Temp.
Viscosimeter: 4 Cup
Flash Point:
Is Agitator Required:
Remarks:
Match for Std. Y1250
amt. for brushing
Full Body
Air Dries in 4-16 Hrs
A.D. to recoat in 24 hrs
H.G.H.

Yield: Formula to be used until V-858 is available



4807 10M 4-49 Printed in U.S.A. L.P.

FORMULA RECORD

Goods Japalac Delphinium Enamel

Consistency Liquid

For use on

Customer

Formula No. Y-1250-E

Laboratory No.

Cost Class. Date 6/23/49

Strainer Grind 7-8

Mill Pebble Wt. or Be 10-1/2#

Code Number	One Gallon Batch Pints	Lbs.	Ozs.	Large Batch Gals.	Lbs.
W-69		2	4		100
BL-74			1-11/16		8-1/2
R-250			1-1/4		6-1/4
W-91			14		70
W-104			2		10
93-W-140			8		40
M-333			1		5
CH-185			1/2		2-1/2
V-072	3-1/2			35	
V-357	4-1/4			42-1/2	
B-90	1/8			1-1/4	
S-43	1/8			1-1/4	
D-29		2 Loz/gal		1-1/4	
D-75		2 " "		1-1/4	
Yield					

Is agitator required

Wt. 10-1/2# Temp.

Viscosity 80"-90" Temp.

Viscosimeter #4 Cup

Color Blue Sheen Gloss

Non Vol. Flash Pt. 100°F

Match for Y-934 porcelain

Reducer S-43

Amt. for brushing F.B.

Spraying Tumbling

Dipping Drip time

Bake Temp.

Air dries in 4-6 hrs

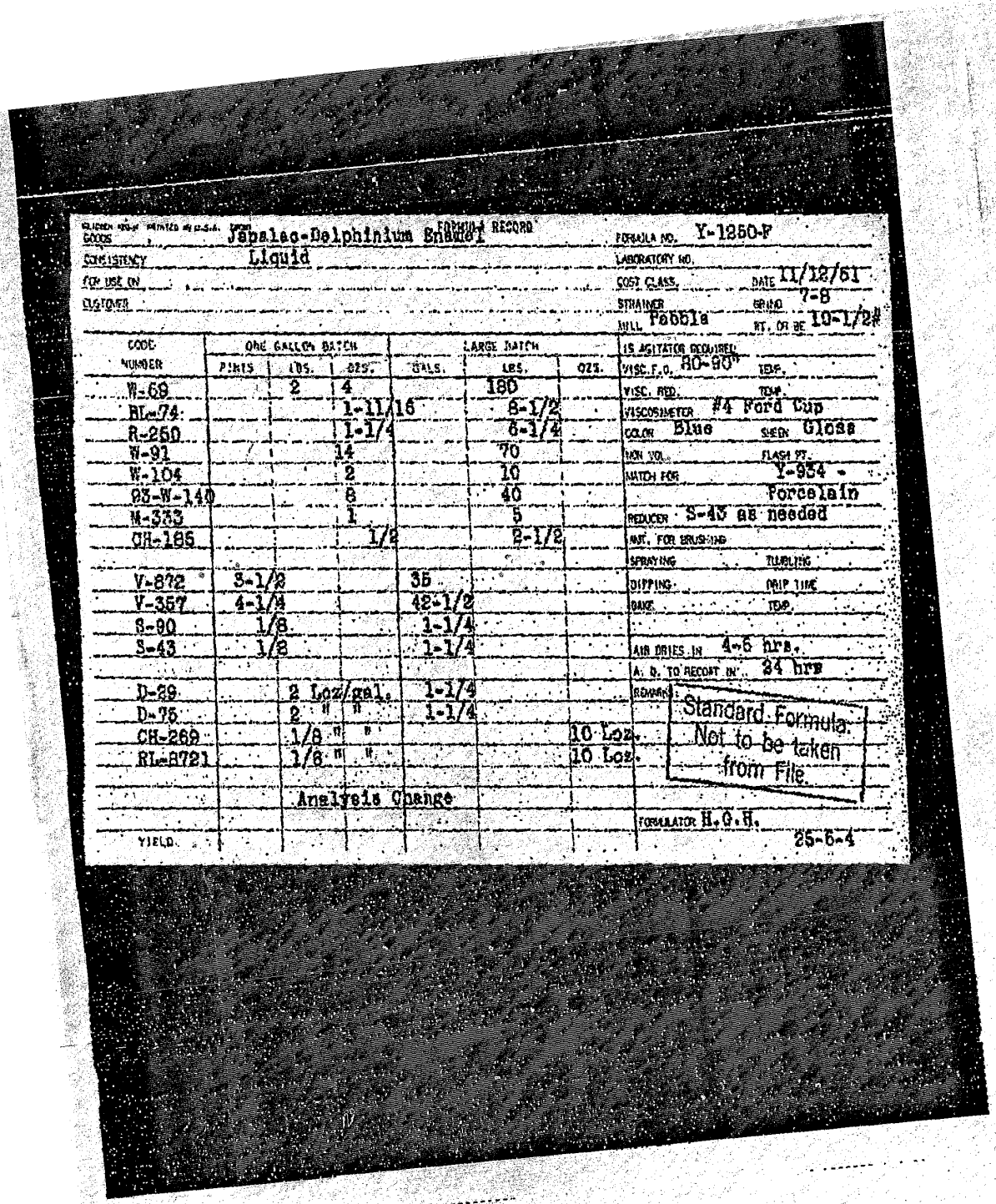
A.D. to recoat in 24 hrs

Remarks:

Formulator Hayward

Standard Formula
Active
Discontinued 9-6-49
See Y-1250-E [illegible]

GLD060290



FORMULA RECORD

GOODS: Japalac-Delphinium Enamel — FORMULA NO. Y-1250-F

CONSISTENCY: Liquid — LABORATORY NO.

FOR USE ON — COST CLASS — DATE 11/12/61

CUSTOMER — STRAINER — GRIND 7-8

MILL Pebble — WT. OR BE 10-1/2#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-69		2	4		180	
RL-74			1-11/16		8-1/2	
R-250			1-1/4		8-1/4	
W-91			14		70	
W-104			2		10	
93-W-140			8		40	
M-333			1		5	
CH-186			1/2		2-1/2	
V-872	3-1/2			35		
V-357	4-1/4			42-1/2		
S-90	1/8			1-1/4		
S-43	1/8			1-1/4		
D-89		2 Loz/gal.		1-1/4		
D-75		2 " "		1-1/4		
CH-269		1/8 " "				10 Loz.
RL-8721		1/8 " "				10 Loz.
		Analysis Change				
YIELD						

IS AGITATOR REQUIRED

VISC. F.O. 80-90" TEMP.

VISC. REQ. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR Blue SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-954 - Porcelain

REDUCER S-43 as needed

WT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs.

A. D. TO RECOAT IN 24 hrs

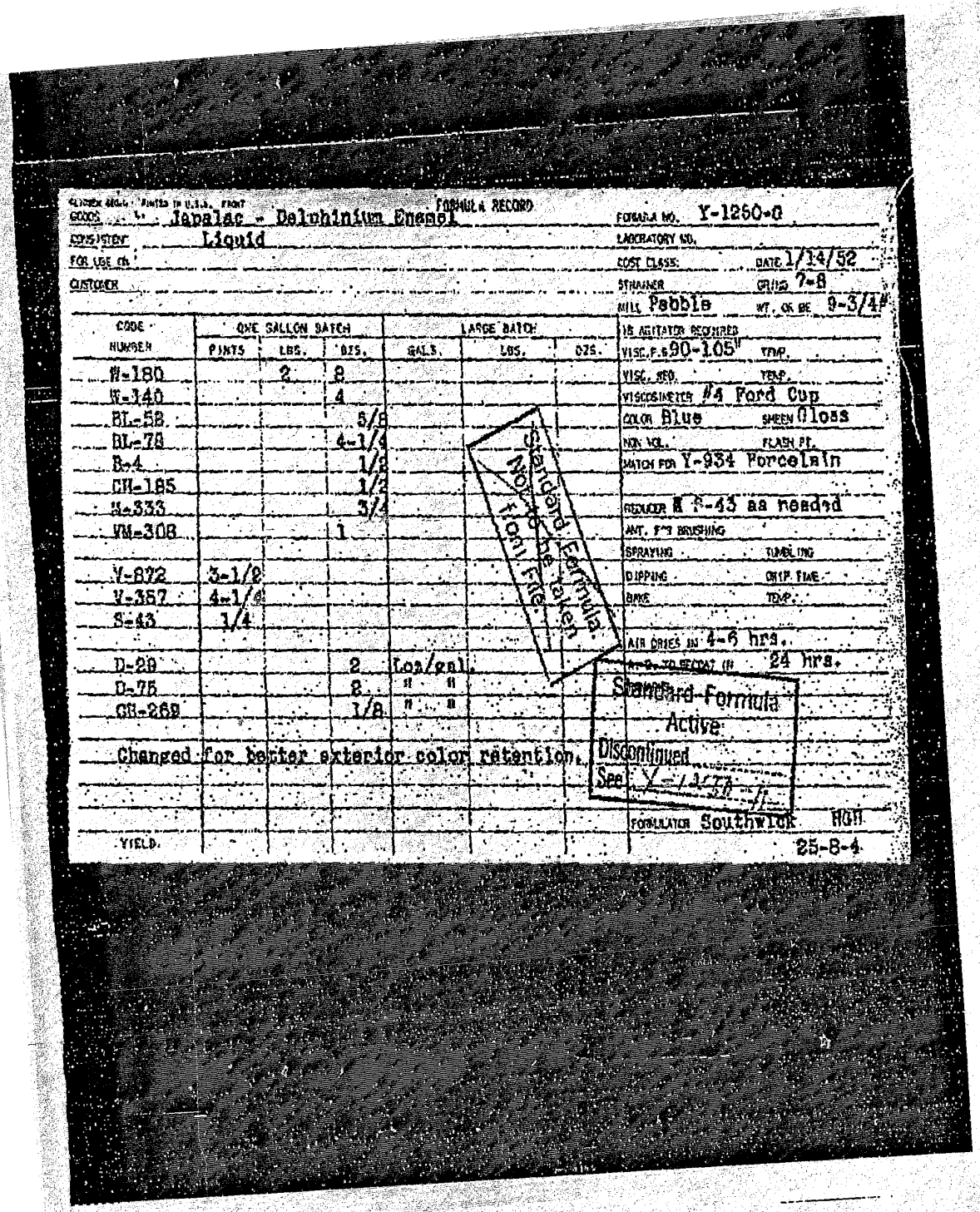
REMARKS: Standard Formula. Not to be taken from File.

FORMULATOR H.G.H.

25-6-4

GLD060291

GLIDDEN BRAND · PRINTED IN U.S.A. · FRONT



FORMULA RECORD

GOODS Japalac - Delphinium Enamel

CONSISTENT Liquid

FOR USE ON

CUSTOMER

FORMULA NO. Y-1250-G

LABORATORY NO.

COST CLASS: DATE 1/14/52

STRAINER GRIND 7-8

MILL Pebble WT. OR BE 9-3/4#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-180		2	8			
W-140			4			
BL-58			5/8			
BL-78			4-1/4			
B-4			1/2			
CH-185			1/2			
M-333			3/4			
VM-308			1			
V-872	3-1/2					
V-357	4-1/4					
S-43	1/4					
D-29			2	Lbs/gal.		
D-75			2	" "		
GH-269			1/8	" "		

Changed for better exterior color retention.

YIELD

IS AGITATOR REQUIRED

VISC. F.S. 90-105" TEMP.

VISC. REQ. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR Blue SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-934 Porcelain

REDUCER # S-43 as needed

ANT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs.

A.D. TO RECOAT IN 24 hrs.

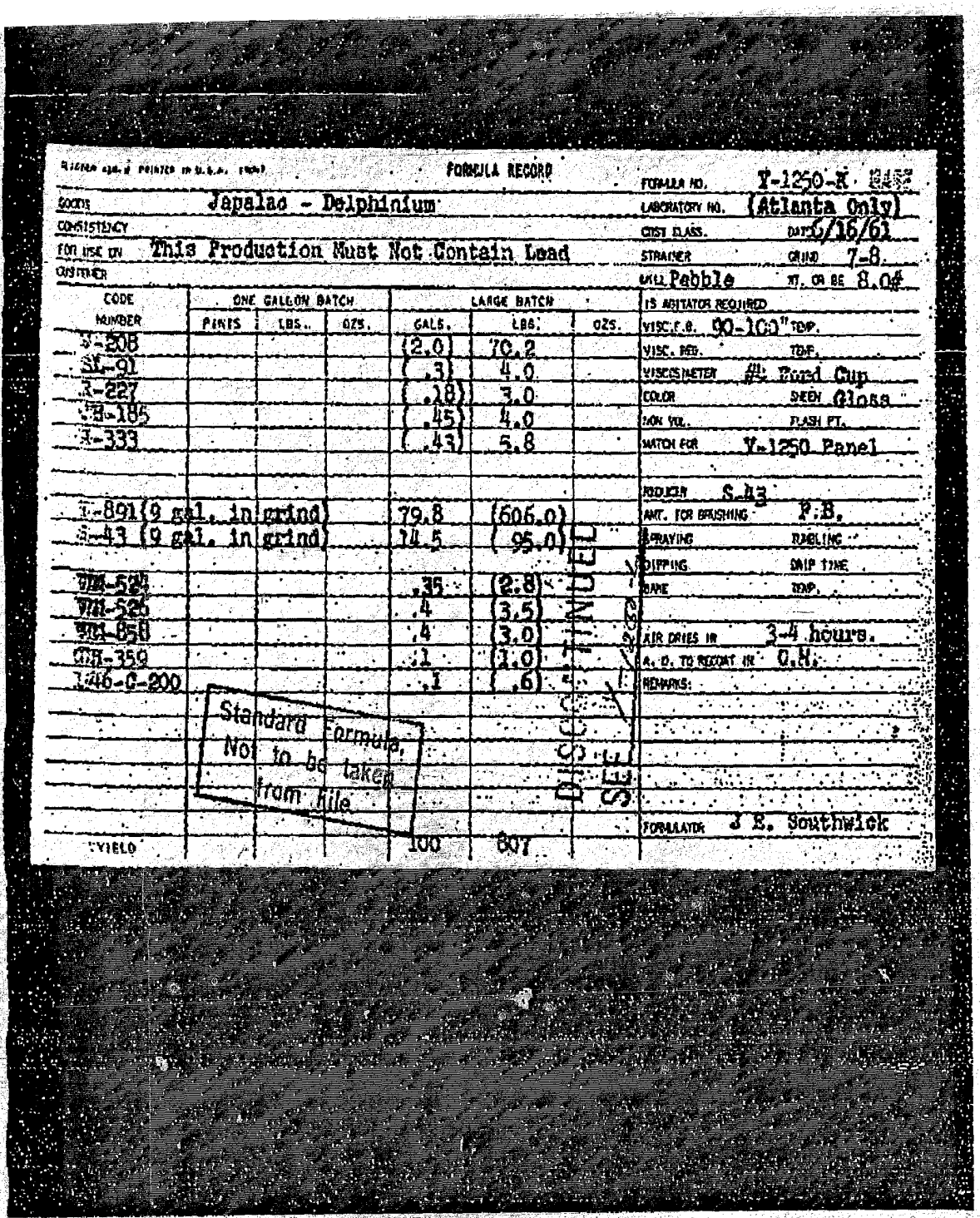
Standard Formula Active Discontinued See Y-1250-H

FORMULATOR Southwick HGH

25-8-4

Standard Formula. Not to be taken from File.

GLD060292



FORMULA RECORD

SOCIETY: Japalac - Delphinium
CONSISTENCY:
FOR USE ON: This Production Must Not Contain Lead
CUSTOMER:

FORMULA NO. Y-1250-K
LABORATORY NO. (Atlanta Only)
COST CLASS. DATE 6/16/61
STRAINER GRIND 7-8
SKIN Pebble WT. OR BE 8.0#
IS AGITATOR REQUIRED
VISC. F.S. 90-100" TEMP.
VISC. REQ. TEMP.
VISCOSIMETER #4 Ford Cup
COLOR SHEEN Gloss
NON VOL. FLASH PT.
MATCH FOR Y-1250 Panel
REDUCER S-43
ANT. FOR BRUSHING P.B.
SPRAYING RUBBING
DIPPING DRIP TIME
BAKE TEMP.
AIR DRIES IN 3-4 hours.
A. D. TO RECOAT IN 0.H.
REMARKS:

FORMULATOR J. E. Southwick

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
V-208				(2.0)	70.2	
SC-91				(.3)	4.0	
V-227				(.18)	3.0	
V-185				(.45)	4.0	
V-333				(.43)	5.8	
V-891 (9 gal. in grind)				79.8	(606.0)	
V-43 (9 gal. in grind)				14.5	(95.0)	
VM-528				.35	(2.8)	
VM-525				.4	(3.5)	
VM-858				.4	(3.0)	
CM-359				.1	(1.0)	
746-C-200				.1	(.6)	
YIELD				100	807	

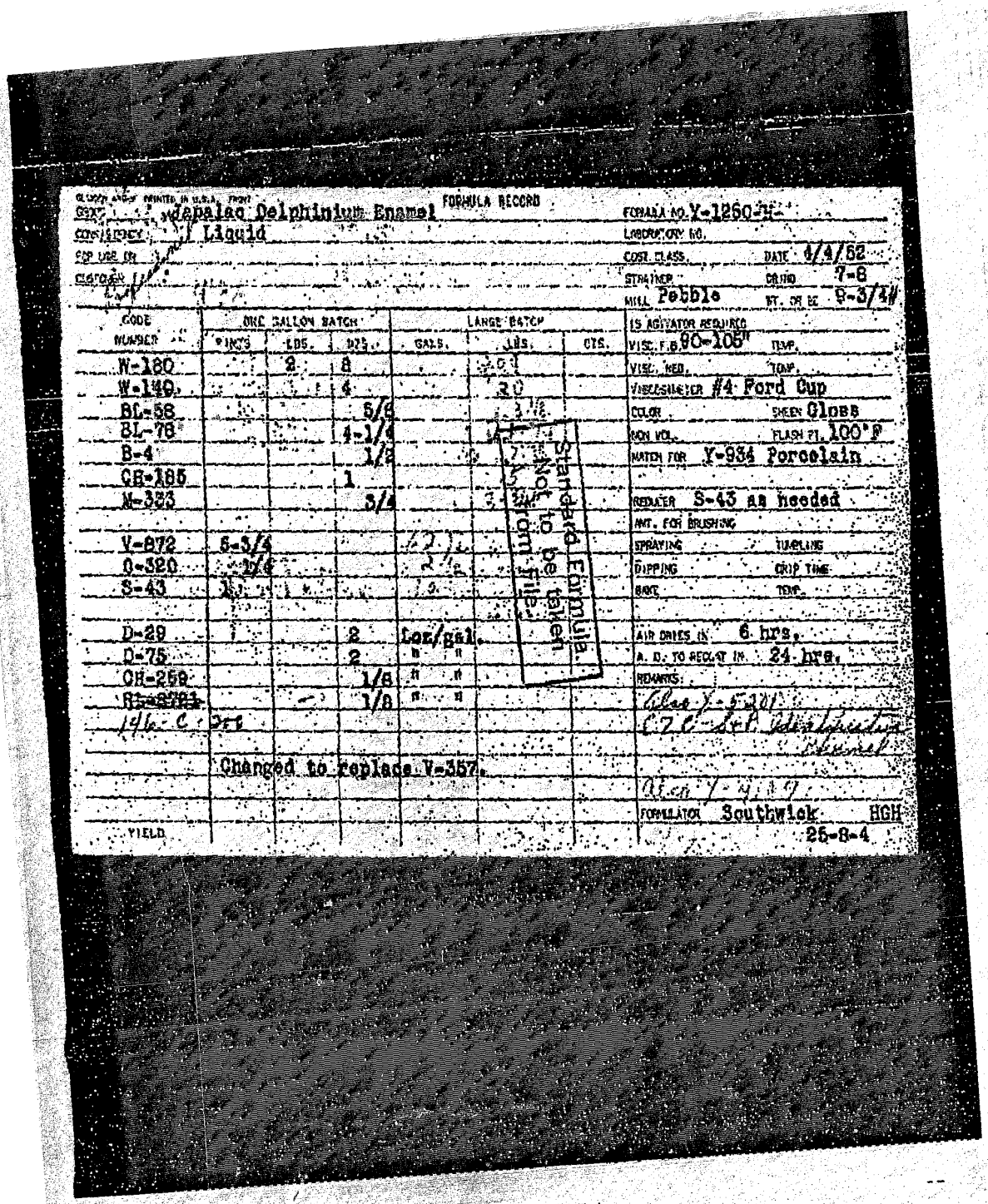
Standard formula. Not to be taken from file

DUPLICATE

GLD060293

GLD060294

CUS...	DATE	ANALYSIS		CUSTOMERS
		PIGMENT	%	
		VEHICLE	%	#1(Southwick - Herzog - TMS)6/21/61
		PIGMENT		#8 (Houck-Atwood) 6/21/61
				# 2 2-26-62 (1)
		VEHICLE		



GLD060295

GLIDDEN ARTS PRINTED IN U.S.A. FRONT

FORMULA RECORD

GRADE Japalac Delphinium Enamel

CONSISTENCY Liquid

FOR USE ON

CUSTOMER

FORMULA NO. Y-1260-H

LABORATORY NO.

COST CLASS. DATE 4/4/52

STRAINER DRUID 7-8

MILL Pebble WT. OR BE 9-3/4#

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OTS.
W-180		2	8		[illegible]	
W-140			4		20	
BL-58			5/8		[illegible]	
BL-78			4-1/4		[illegible]	
B-4			1/2		[illegible]	
CH-185			1		[illegible]	
M-333			3/4		[illegible]	
V-872	5-3/4			[illegible]		
O-320	1/4			[illegible]		
S-43	[illegible]			[illegible]		
D-29			2	Loz/gal.		
D-75			2	" "		
CH-259			1/8	" "		
~~RL-8781~~			1/8	" "		
146-C-[illegible]						

Changed to replace V-357.

YIELD

IS AGITATOR REQUIRED

VISC. F.B. 90-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT. 100°F

MATCH FOR Y-934 Porcelain

REDUCER S-43 as needed

ANT. FOR BRUSHING

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 6 hrs.

A. D. TO RECOAT IN 24 hrs.

REMARKS:

Also Y-5201

C.Z.C. S+P Identification Enamel

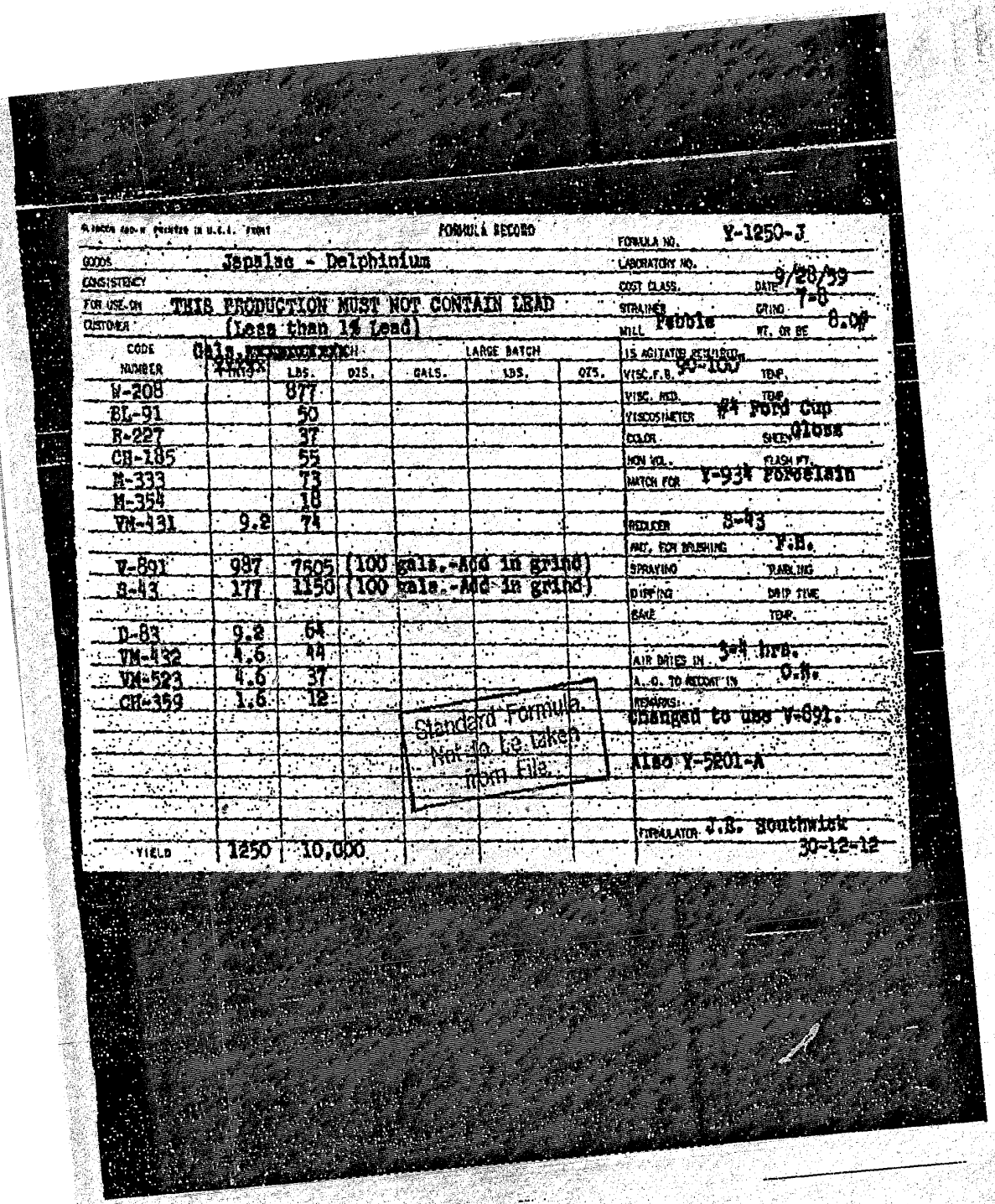
Also Y-4[illegible]

FORMULATOR Southwick HGH

25-8-4

Standard Formula. Not to be taken from File.

POST	DATE	ANALYSIS		CUSTOMERS
		PIGMENT 28.0 %		All Plants 4-9-52
		VEHICLE 72.0 %		Atlanta (2) 1-2-53
		100.0 %		Montreal Ste Emelie (Can) 5-26-54
				Bergen Beach for SA 7-14-54
		PIGMENT		Cleveland 2-16-56
		Titanium Calcium	81.0%	Canada 2-16-57
		Calcium Carbonate	8.1	Akron 3-18-57
		Copper Phthalocyanine Blue	1.3	Chicago 5-6-57
		Ultramarine Blue	8.6	Detroit 6-23-57
		Bone Black	1.0	
			100.0 %	Texas 2-26-58
				New Paint-SA-2 Item 6-23-52
				West Indies 11-11-58
		VEHICLE		Guatemala 11-18-58
		Soya Alkyd	53.1%	
		Mineral Spirits & Driers	46.9	
			100.0 %	



FORMULA RECORD

GOODS: Japalac - Delphinium

CONSISTENCY

FOR USE ON: THIS PRODUCTION MUST NOT CONTAIN LEAD

CUSTOMER: (Less than 1% Lead)

CODE NUMBER	Gals.	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-208		877				
BL-91		50				
R-227		37				
CH-185		55				
M-333		73				
M-354		18				
VM-431	9.2	74				
V-891	997	7605		(100 gals.-Add in grind)		
S-43	177	1150		(100 gals.-Add in grind)		
D-83	9.2	64				
VM-432	4.6	44				
VM-523	4.6	37				
CH-359	1.6	12				
YIELD	1250	10,000				

Standard Formula. Not to be taken from File.

FORMULA NO. Y-1250-J

LABORATORY NO.

COST CLASS. DATE 9/28/39

STRAINED GRIND 7-8

MILL Pebble WT. OR BE 8.0#

IS AGITATOR REQUIRED

VISC. F.B. 90-100 TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-934 Porcelain

REDUCER S-43

PAT. FOR BRUSHING F.H.

SPRAYING FLAMING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A..O. TO ACCOMP IN O.K.

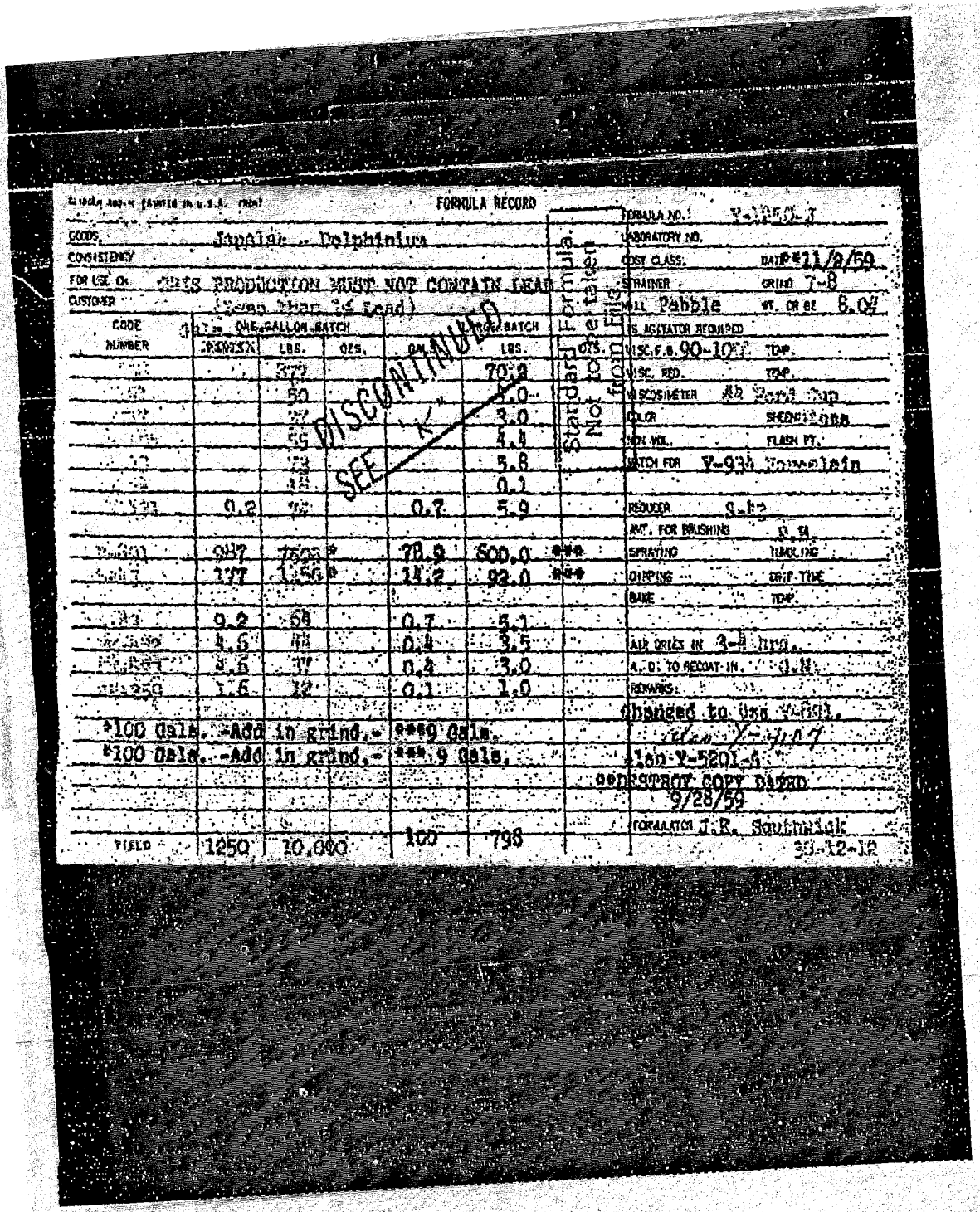
REMARKS: Changed to use V-891.

Also Y-5201-A

FORMULATOR J.B. Southwick 30-12-12

GLD060297

GLD060298



FORMULA RECORD

GOODS: Japalac - Delphinium

CONSISTENCY

FOR USE ON: GRIS PRODUCTION MUST NOT CONTAIN LEAD

CUSTOMER: (Less than 1% Lead)

CODE NUMBER	ONE GALLON BATCH PERCENT	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
[illegible]		372			70.2	
[illegible]		50			4.0	
[illegible]		[illegible]			3.0	
[illegible]		55			4.4	
[illegible]		72			5.8	
[illegible]		[illegible]			0.1	
[illegible]	0.2	[illegible]		0.7	5.9	
[illegible]	987	7503*		78.9	600.0	***
[illegible]	177	1350*		14.2	92.0	***
[illegible]	9.2	64		0.7	5.1	
[illegible]	4.6	[illegible]		0.4	3.5	
[illegible]	4.6	37		0.4	3.0	
[illegible]	1.6	12		0.1	1.0	
YIELD	1250	10,000		100	798	

*100 Gals. -Add in grind.- ***9 Gals.

*100 Gals. -Add in grind.- *** 9 Gals.

DISCONTINUED SEE "K"

Standard Formula. Not to be taken from File.

FORMULA NO.: Y-[illegible]-J

LABORATORY NO.

COST CLASS: DATE **11/2/59

STRAINER: GRIND 7-8

MILL: Pebble WT. OR BE 6.04

IS AGITATOR REQUIRED

MISC. F.B. 90-10[illegible] TEMP.

MISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN [illegible]

NON VOL. FLASH PT.

MATCH FOR Y-934 Porcelain

REDUCER S-[illegible]

AMT. FOR BRUSHING [illegible]

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A.D. TO RECOAT IN [illegible]

REMARKS:

Changed to Use Y-[illegible].

Also Y-4107

Also Y-5201-[illegible]

**DESTROY COPY DATED 9/28/59

FORMULATOR J.R. Southwick

30-12-12

COST	DATE	ANALYSIS		CUSTOMERS Y-1250-J
		PIGMENT 9.6 %		Japalac - Delphinium
		VEHICLE 90.4 %		
		100.0%		11/2/59
		PIGMENT		
		Titanium Dioxide	91.0%	No. 1 Label Warning
		Phthalocyanine Blue	5.2	
		Alizarine Blue	3.8	No change in analysis
			100.0%	
				Also Y-5201-A
				Y Enamel Inst 11-5-59
				Marche (Portland) 11-5-59
		VEHICLE		
		Soya Alkyd Resin	42.0%	Keating (Tulsa) 11-5-59
		Mineral Spirits & Driers	58.0	[illegible] 3-14-60
			100.0%	[illegible] 2-15-60
				Colombia
				Cuba
				Ecuador
				Peru
				Guatemala
				Wt Indies 2-12-60
		Y-1250 959		

GLD060299

FORMULA RECORD

GOODS: Japalac - Delphinium

CONSISTENCY

FOR USE ON: This Production Must Not Contain Lead

CUSTOMER

FORMULA NO. Y-1250-K

LABORATORY NO.

COST CLASS. DATE 5/18/60

STRAINER GRIND 7-8

MILL Pebble WT. OR SE 8.0#

IS AGITATOR REQUIRED

VISC. F.B. 90-100" TEMP.

VISC., RED. TEMP.

VISCOSIMETER #1 Ford Cup

COLOR Dark Gloss

NON VOL. FLASH PT.

MATCH FOR Y-1250 Panel

REDUCER S-43

WT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP-TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS:

Changed to remove M-354.

Also Y-407

FORMULATOR J. E. Southwick

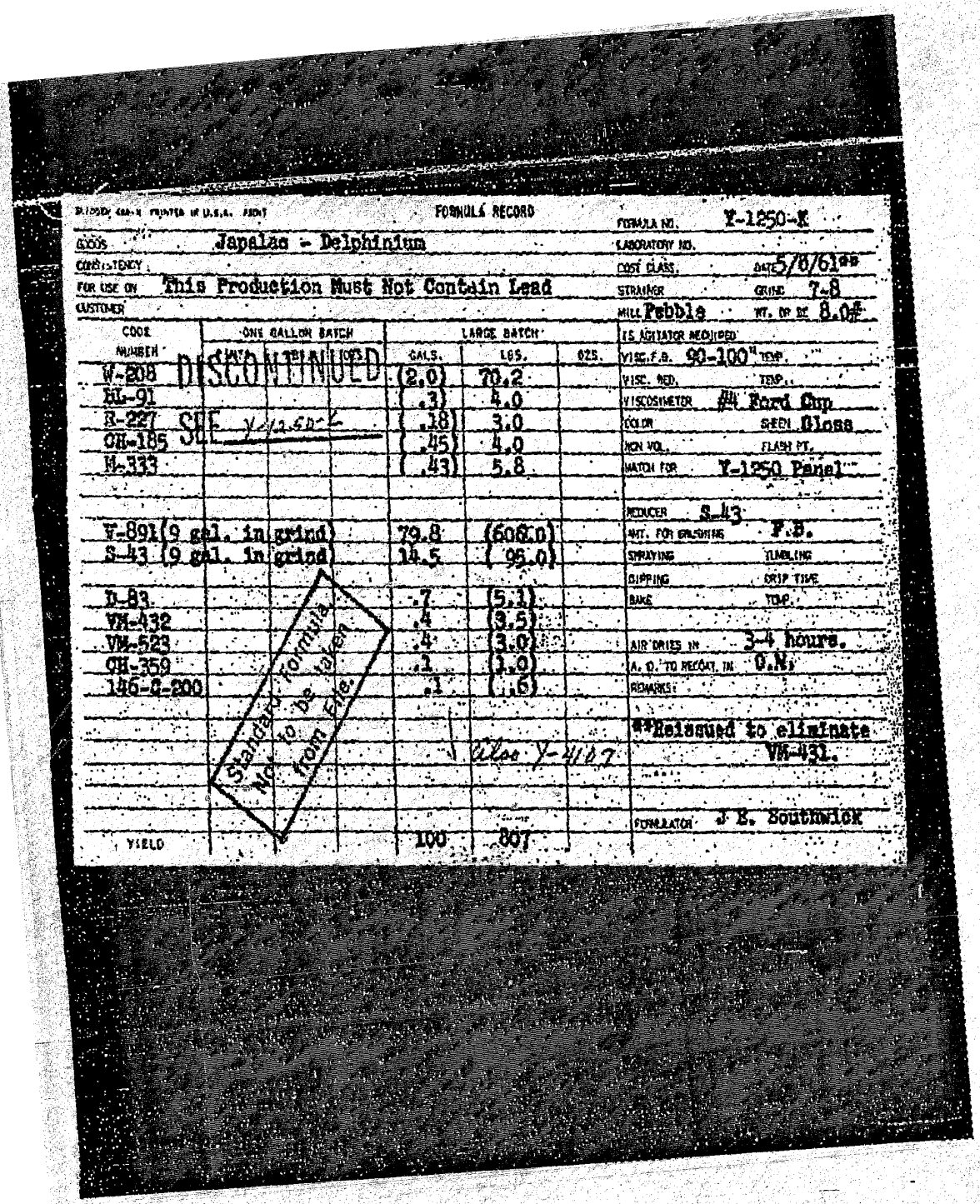
CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-208				(2.0)	70.2	
BL-91				.3	4.0	
R-227				.18	3.0	
GR-185				.45	4.0	
M-333				.43	5.8	
VM-431				.7	(5.9)	
V-891 (9 gal. in grind)				79.8	(606.0)	
S-43 (9 gal. in grind)				11.5	(95.0)	
D-83				.7	(5.1)	
VM-432				.4	(3.5)	
VM-523				.4	(3.0)	
CS-359				.1	(1.0)	
146-0-200				.1	(.6)	
YIELD				100	807	

Standard Formula Not to be taken from File

GLD060300

COST	DATE	ANALYSIS		CUSTOMERS Y-1250-K
		PIGMENT 9.6 %		Japalac - Delphinium
		VEHICLE 90.4 %		
		100.0%		5/12/60
		PIGMENT		No 1 Label Warning
		Titanium Dioxide	91.0%	
		Phthalocyanine Blue	5.2	
		Alizarine Blue	3.8	No change in analysis
			100.0%	
				Y Enamel Int 5-18-60
				Keating (Tulsa) 5-18-60
				Marchi (Portland) 5-18-60
		VEHICLE		
		Soya Alkyd Resin	42.0%	UP Mexico 9-14-60
		Mineral Spirits & Driers	58.0%	
			100.0%	Guatemala 10-14-60
				~~Costa Rica [illegible]~~
		Y-1250 959		

GLD060301



GLD060302

BLOSSOM GRAPH PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1250-K

GOODS Japalac - Delphinium

LABORATORY NO.

CONSISTENCY

COST CLASS. DATE 5/8/61**

FOR USE ON This Production Must Not Contain Lead

STRAINER GRIND 7-8

CUSTOMER

MILL Pebble WT. OF BC 8.0#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH GALS.	LBS.	OZS.
W-208	DISCONTINUED			(2.0)	70.2	
BL-91				(.3)	4.0	
R-227	SEE Y-1250-L			(.18)	3.0	
CH-185				(.45)	4.0	
M-333				(.43)	5.8	
V-891 (9 gal. in grind)				79.8	(606.0)	
S-43 (9 gal. in grind)				14.5	(95.0)	
D-83				.7	(5.1)	
VM-432				.4	(3.5)	
VM-523				.4	(3.0)	
CH-359				.1	(1.0)	
146-C-200				.1	(.6)	
YIELD				100	807	

Standard Formula. Not to be taken from File.

Also Y-4107

IS AGITATOR REQUIRED

VISC. F.B. 90-100" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR Y-1250 Panel

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hours.

A. D. TO RECOAT. IN O.N.

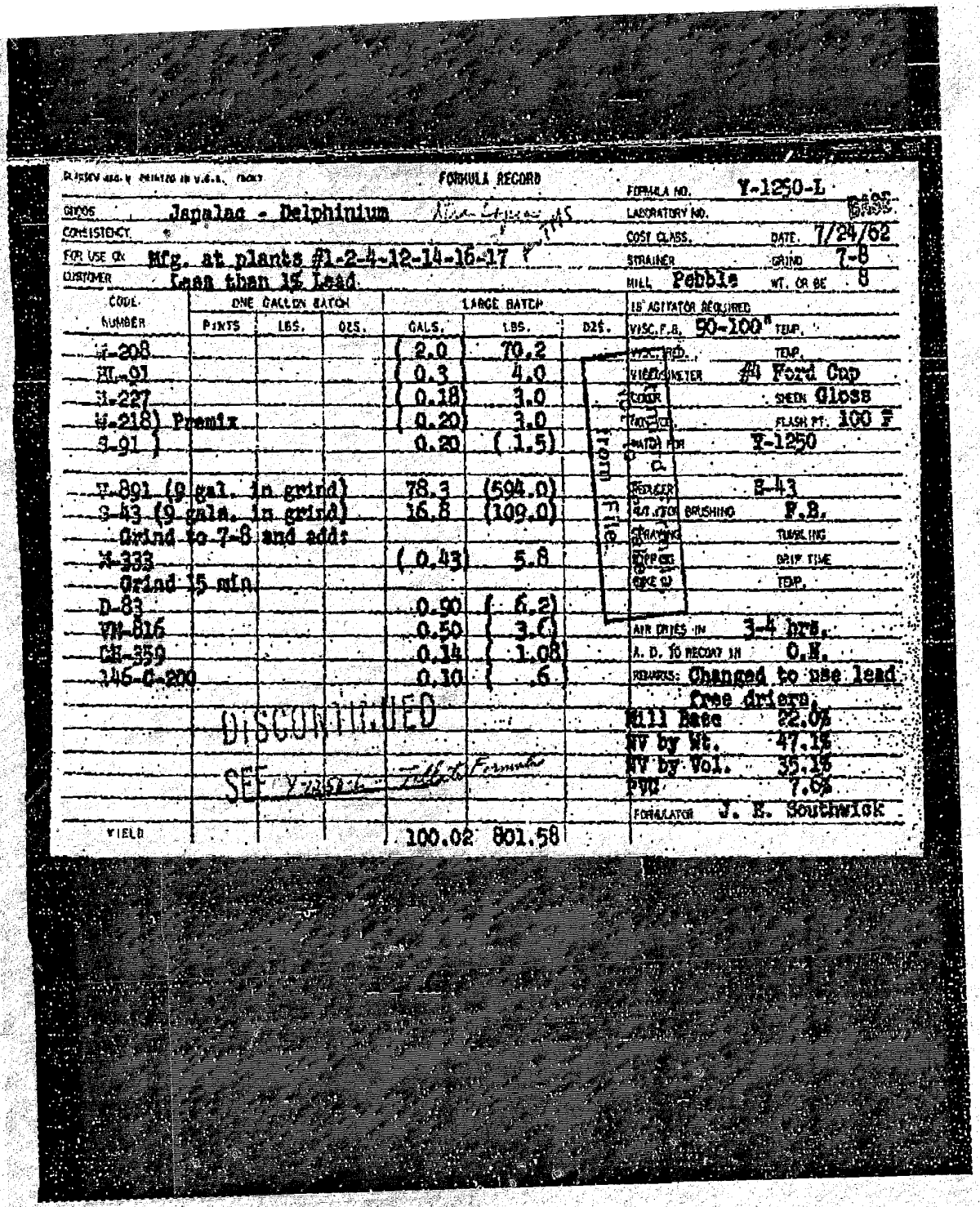
REMARKS:

**Reissued to eliminate VM-431.

FORMULATOR J. E. Southwick

COST	DATE	ANALYSIS		CUSTOMERS Y-1250-K
		PIGMENT 9.6 %		Japalac - Delphinium
		VEHICLE 90.4 %		
		100.0%		5/12/60
		PIGMENT		No 1 Label Warning
		Titanium Dioxide	91.0%	
		Phthalocyanine Blue	5.2	
		Alizarine Blue	3.8	No change in analysis
			100.0%	
				Y Enamel List 5-11-61
				Plants # 1-2-4-5-12-14-8-11 & 17
		VEHICLE		
		Soya Alkyd Resin	42.0%	#15 (Marchi) 5-11-61
		Mineral Spirits & Driers	58.0%	
			100.0%	#7 (~~[illegible]~~) (Keating) 5-11-61
				Chile-Colombia-Ecuador-Guatemala Mexico-Peru-West Indies 6-22-61
				Hess (Texas) 8-2-61 (#1)
				Japan Sekisan 2-15-62
		Y-1250 959		Costa Rica 6-11-62

GLD060303



GLD060304

GLIDDEN REG. U. PRINTED IN U.S.A. FROM

FORMULA RECORD

FORMULA NO. Y-1250-L

GOODS Japalac - Delphinium

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 7/24/62

FOR USE ON Mfg. at plants #1-2-4-12-14-16-17

STRAINER

GRIND 7-8

CUSTOMER Less than 1% Lead

MILL Pebble

WT. OR BE 8

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-208				(2.0)	70.2	
HL-91				(0.3)	4.0	
H-227				(0.18)	3.0	
W-218) Premix				(0.20)	3.0	
S-91)				0.20	(1.5)	
V-891 (9 gal. in grind)				78.3	(594.0)	
S-43 (9 gals. in grind)				16.8	(109.0)	
Grind to 7-8 and add:						
M-333				(0.43)	5.8	
Grind 15 min.						
D-83				0.90	(6.2)	
VM-816				0.50	(3.6)	
CH-359				0.14	(1.08)	
146-C-200				0.10	(.6)	
YIELD				100.02	801.58	

IS AGITATOR REQUIRED

VISC. F.B. 90-100" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON-VOL. FLASH PT. 100 F

MATCH FOR Y-1250

REDUCER S-43

AUT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A. D. TO RECOAT IN O.N.

REMARKS: Changed to use lead free driers.

Mill Base 22.0%

NV by Wt. 47.1%

NV by Vol. 35.1%

PVC 7.6%

FORMULATOR J. E. Southwick

DISCONTINUED

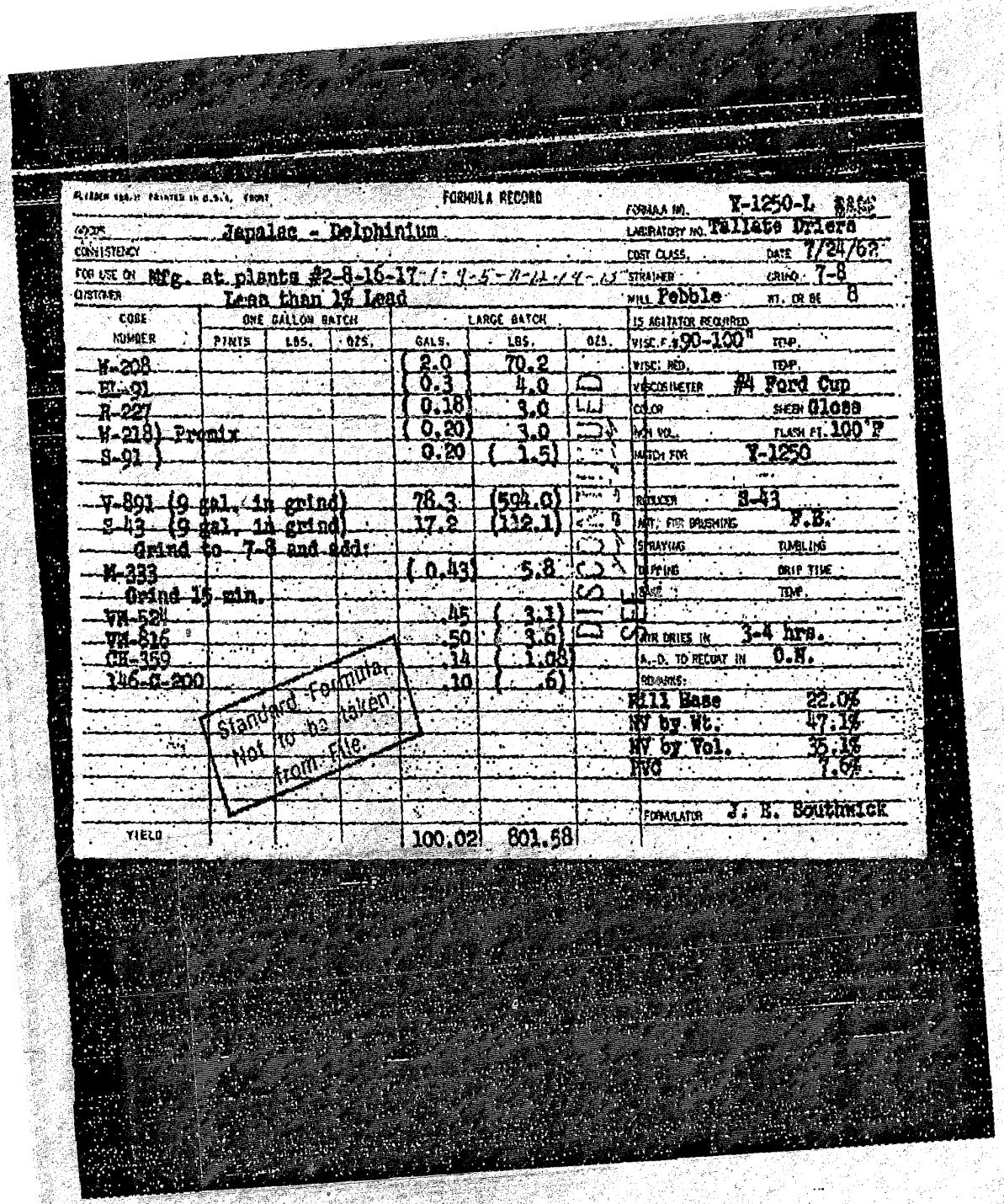
SEE Y-1250-L Tillet Formula

Form File

COST	DATE	ANALYSIS	CUSTOMERS [illegible]-L
		PIGMENT 9.6 %	Jepaine - Delphinium
		VEHICLE 90.4 %	
		100.0%	7/24/62
		PIGMENT	Wet Tinted Warning
		Titanium Dioxide 91.0%	
		Phthalocyanine Blue 5.2	
		Alizarine Blue 3.8	No change in analysis
		100.0%	One Y. Enamel Lot 7-27-62 A
			Wants
			#1-2-4-12-14-16-17
			Stamped
		VEHICLE	#5-11-15 7-27-62 A
		Soya Alkyd Resin 42.0%	
		Mineral Spirits & Driers 58.0%	
		100.0%	

GLD060306

ALLIEDEN 1960-11 PRINTED IN U.S.A. FRONT



FORMULA RECORD

FORMULA NO. Y-1250-L

CODE Japalac - Delphinium

LABORATORY NO. Tallate Driers

CONSISTENCY

COST CLASS.

DATE 7/24/62

FOR USE ON Mfg. at plants #2-8-16-17-1-9-5-11-12-14-15

STRAINER

GRIND 7-8

CUSTOMER Less than 1% Lead

MILL Pebble

WT. OR BE 8

CODE NUMBER	ONE GALLON BATCH PINTS	LBS.	OZS.	LARGE BATCH GALS.	LBS.	OZS.
W-208				(2.0)	70.2	
EL-91				(0.3)	4.0	
R-227				(0.18)	3.0	
W-218) Premix				(0.20)	3.0	
S-91)				0.20	(1.5)	
V-891 (9 gal. in grind)				78.3	(594.0)	
S-43 (9 gal. in grind)				17.2	(112.1)	
Grind to 7-8 and add:						
M-333				(0.43)	5.8	
Grind 15 min.						
VM-524				.45	(3.1)	
VM-816				.50	(3.6)	
CH-359				.14	(1.08)	
146-C-200				.10	(.6)	
YIELD				100.02	801.58	

IS AGITATOR REQUIRED

VISC. F.S. 90-100" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #4 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH FT. 100°F

MATCH FOR Y-1250

REDUCER S-43

ADT. FOR BRUSHING F.B.

SPRAYING TUMBLING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 3-4 hrs.

A.-D. TO RECOAT IN O.N.

REMARKS:

Mill Base	22.0%
NV by Wt.	47.1%
NV by Vol.	35.1%
PVC	7.6%

FORMULATOR J. E. Southwick

Standard Formula, Not to be taken from File.

COST	DATE	ANALYSIS		CUSTOMERS Y-1250-L
		PIGMENT 9.6 %		Jabalac - Delphinium
		VEHICLE 90.4 %		
		100.0%		
				7/24/62
		PIGMENT		[redacted] Warning 11-62 NPVLA (11-14-62)
		Titanium Dioxide	91.0%	
		Phthalocyanine Blue	5.2	
		Alizarine Blue	3.8	No change in analysis
			100.0%	
		VEHICLE		
		Soy & Alkyd Resin	42.0%	Mexico 11-14-62 (7)
		Mineral Spirits & Driers	58.0%	
			100.0%	
		Chile Colombia Costa Rica,		
		Ecuador, Guatemala		#1 (Dress-UCB-Cal) 8-2-62
		W. Indies, Peru, Sik Japan		#30 (Southwick-Herzog) "
		11-16-62		
		Italy 9-3-63		Plant #2-8-16-17 8-3-62
		Panama 9-25-63		#1 (on Y Enamel Fut) 8-8-62 (1)
		Manila 3-31-64		
		Y-1250 959		#4-5-11-12-14-15 8-29-62 (1)
				pertms

GLD060307