

9/25/31

Y-1219-1
(Eggshell Jap-a-Lac French Gray)

Y-945-W Gr 8 Pints

87-P-7 Trace
87-Y-1 Traces

Weight per gallon - 12#

Analysis:

Pigment 53%
Vehicle 47%
100%

Pigment Analysis:

Titanolith 61%
Lithopone 30%
Magnesium Silicate 8%
Tinting Colors 1%
100%

Vehicle Analysis:

Varnish 71%
Flaxing Oil 15%
Mineral Spirits 14%
100%

Jap-a-Lac Label

Bound Cans - 1/6 - 1/2's - 1/4's - 1/8's - 1/32's.

Handwritten signature

N12384

2. 4. 2002

Formula Y-1219

Date 12-20-1920 Old No.

Classification

GLD060138

FORMULA RECORD

Formula No. Y-1219-B

Laboratory No. _____

Cost Class.

Date 3/29/49

Strainer

Grind 7-8

5111

GLD060141

COST	DATE	ANALYSIS		CUSTOMERS	
		PIGMENT	32.8 %	<i>all plants</i>	<i>2-8-52</i>
		VEHICLE	67.2 %	<i>Atlanta (3)</i>	<i>1-22-53</i>
			100.0	<i>Montreal of Small (Mn)</i>	<i>5-26-54</i>
				<i>Herring 3 parts (S.A.)</i>	<i>7-14-54</i>
				<i>Chlorine</i>	<i>7-10-52</i>
		PIGMENT			
		Titanium Calcium	71.0 %		
		Titanium Dioxide	16.2 %		
		Calcium Carbonate	6.4 %		
		Carbonate of White Lead	6.4 %		
			100.0 %		
		Tinting material less than 5%			
		VEHICLE			
		Soya Alkyd Resin	52.6 %		
		Mineral Spirits	44.6 %		
		Liquid Drier	2.8 %		
			100.0 %		

GLD060144

GLD 060145 PRINTED IN U.S.A. 11017

FORMULA RECORD

FORMULA NO. Y-1219-E

GOODS

Japalac Enamel - Dawn Gray

LABORATORY NO.

CONSISTENCY:

COST CLASS.

DATE 10/25/56

FOR USE ON

STRAINER

GRIND 7-8

CUSTOMER

11-2-56

MILL Pebble

WT. OR BE 10-1/4

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	TEMP.
H-180		2	12				VISC. F.B. 95-105"	TEMP.
H-170	20%		10				VISC. RED.	TEMP.
H-140			8				VISCOSIMETER #4 Ford Cup	
H-333			1				COLOR	SHEEN GLOSS
CH-185			1				NON VOL.	FLASH PT.
V-B72	6-5/8						MATCH FOR	
O-320	1/4						REDUCER S-43	
S-43	1-1/8						AMT. FOR BRUSHING F.B.	
D-29			2 Loz.				SPRAYING	TUMBLING
CH-530			1/2 Loz.				DIPPING	DRIP TIME
CH-269 CH-243			1/8 Loz.				BAKE	TEMP.
CH-200			1/8 Loz.				AIR DRIES #6 hrs.	
93-R-7			2-1/8				A. O. TO RECOAT IN 24 hrs.	
93-Y-37			1-3/8				CATALYST	
93-R-7			1/2				AMT. OF CATALYST	
93-n-17			1-3/8				POT LIFE	TEMP.
67-T-50			1 Loz. for sagging.				STABILITY AT 200°F	
YIELD							STABILITY AT 135°F	
							STABILITY AT °F	
							REMARKS	
							FORMULATOR J.E.S.	

Standard Formula.
Not to be taken
from file.

28-8-6

GLD060145

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 32.8 % VEHICLE 67.2 % <u>100.0%</u>	Y-1219-E Japalac Enamel - Dawn Gray 10/25/56
		PIGMENT Titanium Calcium 71.0% Titanium Dioxide 16.2 Calcium Carbonate 12.8 <u>100.0%</u>	"Y" Trade Sales Feb 11-2-57 Enamel 2-16-57 Peru 3-13-57 Peru 3-18-57 infalty 5-29-57 Trade 6-17-57
		VEHICLE Soya Alkyd Resin 52.6% Mineral Spirits & Driers 47.4 <u>100.0%</u>	
	Y-1219	6501	

GLD060146

CROSS

Japalac Enamel - Dawn Gray

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE **11/5/5

FOR USE ON

STRAINER

GRIND

7-8

CUSTOMER

MILL

Pebble

WT. OR BE

10-1

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	TEMP.
W-180		2	12				95-105"	
W-208			10					
W-140			8					
W-333			1					
CH-185			1					
V-872	6-5/8							
O-220	1/4							
E-43	1-1/8							
D-29			2 Loz.					
VM-520			1/2 Loz.					
CH-243			1/8 Loz.					
145-C-200			1/8 Loz.					
93-B-7			2-1/8					
93-T-37			1-3/8					
93-R-7			1/2					
93-D-17			1-3/8					
67-T-50			1 Loz. for sagging.					
YIELD	1.1							

Standard Formula
 Not to be taken
 from File.

10/25/56
 10/25/56

IS AGITATOR REQUIRED

VISC. F.B. 95-105" TEMP.

VISC. RED. TEMP.

VISCOSIMETER #3 Ford Cup

COLOR SHEEN Gloss

NON VOL. FLASH PT.

MATCH FOR

REDUCER S-43

AMT. FOR BRUSHING F.B.

SPRAYING TUNELING

DIPPING DRIP TIME

BAKE TEMP.

AIR DRIES IN 4-6 hrs.

A. D. TO RECOAT IN 24 hrs.

CATALYST 10/25/56

AMT. OF CATALYST reissued to use Glidden

POT LIFE.

STABILITY AT 200°F W-208.

STABILITY AT 133°F

STABILITY AT 100°F Y-4132

REMARKS 10/25/56 Y-4112

FORMULATOR J.E.S.

28-8-8

[illegible]

GLD060148

FORMULA RECORD

FORMULA NO. Y-1219-Y

GOODS Transfer Record - Down Street

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 9/29/59

FOR USE ON THIS PRODUCTION MUST NOT CONTAIN LEAD

STRAINED

GRIND 7-5

CUSTOMER (Last Name, If Load)

WILL ELLIOTT

WT. OF BE 8.5#

[illegible]

GLD060149

[illegible]

GLD060152

GLIDEX 400-11 PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1219-P

GOODS Japalac Enamel - Dawn Gray

LABORATORY NO.

CONSISTENCY

COST CLASS.

DATE 11/2/59

FOR USE ON THIS PRODUCTION MUST NOT CONTAIN LEAD

STRAINER

GRIND 7-8

CUSTOMER (Less than 1% Lead)

MILL Mix

WT. OR BE 8.5#

CODE NUMBER	GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED
	LBS.	OZS.	GALS.	LBS.	OZS.		
40-W-127-K	1176	10,000	99.1	845.0			VISC. F.B. 90-100° TEMP.
318-B-7 or Y-1720	46			3.9			VISC. RED. TEMP.
318-Y-37	27			2.3			VISCOSIMETER #4 Ford Cup
318-R-210	9			0.8			COLOR SHEEN Gloss
							HON VOL. FLASH PT.
							MATCH FOR Y-3414
							REDUCER 8-43
							AIR. FOR BRUSHING F.B.
							SPRAYING TUNELING
							DIPPING DRIP TIME
							BAKE TEMP.
							AIR DRIES IN 3-4 hrs.
							A. D. TO RECAT IN O.N.
							REMARKS:
							* DESTROY COPY DATED 10/22/59.
							Y-100 Y-4115 Y-1122
YIELD	1185	10,072	100	852			FORMULATOR J.B. Southwick
							30-12-12

Standard Formula
1-10-10 taken
from file

DISCONTINUED

GLD060153

COST	DATE	ANALYSIS	CUSTOMERS
		PIGMENT 16.2 %	Y-1219-Y
		VEHICLE 83.8 %	Japalee Enamel - Dawn Gray
		100.0%	
		PIGMENT	11/2/59
		Titanium Dioxide 100%	No. 1 Label W. Union
		Tinting material less than 5%	No change in analysis.
			Y Enamel Test 11-5-59
		VEHICLE	March 1 (Portland) 11-5-59
		Soya Alkyd 42.0%	Rating (Tach) 11-5-59
		Mineral Spirits & Driers 58.0	Denmark (LHM) 11-14-60
		100.0%	2-12-60
			Columbia "
			Cuba "
			Excalibur "
			Chastanola "
			Proton "
			West Indies 2-12-60
		Y-1219	959

GLD060154

SL16024 400-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1219-B

GOODS Japalac Enamel - Dawn Gray

LABORATORY NO.

CONSISTENCY 2-4-5-8-11-12-14-15-16-17

COST CLASS. DATE 5/12/60

FOR USE ON THIS PRODUCTION MUST NOT CONTAIN LEAD

STRAINER GRIND 7-8

CUSTOMER [Less than 1% Lead]

MILL Mix WT. OR BE 8.5%

CODE NUMBER	Small Batch			Large Batch			IS AGITATOR REQUIRED
	MARK	LBS.	OZS.	GALS.	LBS.	OZS.	
10-W-127-L	1176	10,000		99.1	845.0		VISC. F.B. 90-100° TEMP.
10-B-7 OF							VISC. RED. TEMP.
Y-1720		46			3.9		VISCOSIMETER #4 Ford Cup
10-B-Y-37		27			2.3		COLOR SHEEN Gloss
10-B-R-210		9			0.8		NON VOL. FLASH PT.
							MATCH FOR Y-3414
							REDUCER S-43
							AMT. 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:
							Also Y-117
							4105
							4132 Disc. ST.
							FORMULATOR J.E. Southwick
YIELD	1745	10,000		100	852		

DISCONTINUED

SEE Y-1219 Tollate

Standard Formula.
Not to be taken
from File

GLD060155

COST	DATE	ANALYSIS	CUSTOMERS Y-1219-G
		PIGMENT 17.7 %	Japalac Enamel - Dawn Gray
		VEHICLE 82.3 %	
		100.0%	5/12/60
		PIGMENT	No. 1 Label Warning
		Titanium Dioxide 100%	Also Y-4115 Y-4132
		Tinting material less than 5%	U.S. Government 7-25-60 Mexico 7-25-60 Canada 7-25-60 Japan 9-14-60
		VEHICLE	
		Soyl Alkyd Resin 42%	Chile - Columbia - Ecuador 11-11-60
		Mineral Spirits & Driers 58%	England - Peru - West Germany
		100%	Venezuela (Tefar) 8-2-61 (or) Sakuma Japan 12-11-61 Costa Rica 6-11-62
		Y-1219 065	

GLD060157

GOODS Japalac Enamel - Dawn Gray (1-10-63) LABORATORY NO. Tallate Driers
 CONSISTENCY Mfg. at plants #1-2-4-5-8-12-14-15-16-17 COST CLASS. DATE 9/6/62
 FOR USE ON This Production Must Not Contain Lead STRAINER GRIND 7-8
 CUSTOMER (Less than 1% Lead) MILL Mix WT. OR BE 8.5#

CODE	Small Batch	LBS.	OZS.	GALS.	LBS.	OZS.	IS AGITATOR REQUIRED
NUMBER	XXX						TEMP.
400-W-127-M	1176	10,000		99.1	845.0		VISC. F.B. 90-100"
3118-B-7 or Y-1720		46			3.9		VISC. RED. TEMP.
3118-Y-37		27			2.3		VISCOSIMETER #4 Ford Cup
3118-R-210		9			0.8		COLOR SHEEN Gloss
							NON VOL. FLASH PT.
							MATCH FOR Y-3414
							REDUCER S-43
							AMT. FOR BRUSHING F.B.
							SPRAYING TUNBLING
							DIPPING DRIP TIME
							BAKE TEMP.
							AIR DRIES IN 3-4 hrs.
							A. D. TO RECAT IN O.N.
							REMARKS:
							*Reissued also Y-117
							Y-1115
							(Y-1115)
							FORMULATOR J. E. Southwick
YIELD	1185	10,072		100	852		

DISCONTINUED

SEE Y-1219-H

Standard Formula.
 Not to be taken
 from File.

GLIDDEN 420-H PRINTED IN U.S.A. FRONT

FORMULA RECORD

FORMULA NO. Y-1219-H BASE

GOODS Japalac Enamel - Dawn Gray NO CHANGE

LABORATORY NO.

CONSISTENCY

FOOD USE

COST CLASS.

DATE 3/21/63

FOR USE ON Mfg. at plants #1-2-4-~~8~~-12-14-~~15~~-~~16~~

GRAINER

GRIND 7-8

CUSTOMER This Production Must Not Contain Lead

MIX

WT. OR BE 8.5#

CODE NUMBER	ONE GALLON BATCH			LARGE BATCH			IS AGITATOR REQUIRED	
	PINTS	LBS.	OZS.	GALS.	LBS.	OZS.	VISC. F.B.	TSP.
40-N-127				99.4	(855.5)		90-100"	77°F
369-B-131				(0.44)	3.9		VISC. RED.	TEMP.
369-Y-89				(0.18)	2.3		VISCOSIMETER #4 Ford Cup	
369-R-269				(0.05)	0.8		COLOR Gray	SHEEN Gloss
							NON VOL.	FLASH PT 100°F
							WATCH FOR	Y-3414
							REDUCER	S-43
							WGT. FOR BRUSHING	P.B.
							SPRAYING	TUMBLING
							DIPPING	DRIFF TIME
							BAKE	TEMP.
							AIR DRIES IN	3-4 hrs.
							A. D. TO RECOAT IN	Overnight
							REMARKS:	
							Changed to use 369 bases.	
							FORMULATOR	J. E. Southwick
YIELD				100.07	862.5			

Specimen
Not to be taken
from file.

GLD060160

COSY	DATE	ANALYSIS	CUSTOMERS
11-2-62 (Beck)	9-4-64	PIGMENT 27.7 %	Japanese Samurai - Dan. 8/17
		VEHICLE 82.3 %	
#30 (Guatemala)	12-21-61 - 64	100%	3/21/63
		PIGMENT	11-2-62 Beck
#30 (Guatemala)	2-23-64	Titanium Dioxide 100%	
Rebano	1-4-67		Warning No. 11-62 NYLA
		Finishing material less than 5%	11/24/62
	5-5-64 (3)		No change in analysis
		VEHICLE	1 Enamel Lat 3-27-63
		Soyz Alloyd Resin 42%	#1-2-4-5-8-12-14-15-16-17
		Mineral Spirits & Driers 58%	Stamped:
		100%	#11 3-27-63
	Guatemala 3-9-64		Italy 9-3-63
	Manila 3-31-64		Panama 9-25-63
	Eng Br Pts 4-6-64		Lat Ocean 3-10-64
	El Paso 4-22-64		Mexico 2-21-64
	Colombia 4-24-64		
	Y-1219 065		
	Quadrax 4-27-64		West Indies 3-3-64

GLD060161

Product **Japalac Enamel - Dawn Gray**

Customer

Formula Number **Y-1219-H**

Laboratory Number

R.M. Cost

Date **3/1/67**

CODE NUMBER

100 GALLON BATCH

% BY WEIGHT

MANUFACTURING INSTRUCTIONS

MILL **Mix**

Grind

40-W-127
99.4
(855.5)

HPVLA %Lead **-1**

Label Warning **11-62**

METHOD

369-B-131
(0.44)
3.9

Wt. %Gel. **8.5%**

Flash Pt. **°F100°**
369-Y-89
(0.18)
2.3

N.Y.Wt.

N.Y.Vol.

369-R-269
(0.05)
0.8

Visc. P. **90-100"**
VERMA #4 F.C.

Reductant **S-340**

Ratio

P.V.C.

pH

Color **Gray**

Match **Y-341**

Class **Over 85**

Method

Strainer

Container

Application

Cure **Air Dry: 3-4 hrs.**

Recoat: **Overnight**

Remarks

Yield

100.07 862.5

Formulator **J. E. Southwick**

Approved by

GLD060162

Date 3/1/67

Formula No. Y-1219-H

CLASS

CODES

DESCRIPTORS (20 spaces—limit)

Trade Name

Customer

Substrate and Treatment

End Use

Specifications

Royalty

Yes ☐

No ☐

Silicone

Yes ☐

No ☐

Pigment

Resins

Color

Gloss

For Use On

Resistance

Manufactured at Plant

#1-2-4-12-14

2-16-67

Stamped:

#5-8-11-15-16-17

2-16-67

Manufacturing Instructions or Remarks

#32 (long term)

3-31-67

Vehicle

Soya Alkyd Resin

42%

Mineral Spirits &

Driers

58%

100%

NO CHANGE IN ANALYSIS

Y-1219

065

GLD060163

Glidden Form 1100-1 Printed in U.S.A. 7-57

C & R FORMULA

Product **Japalac Enamel - Dawn Gray**

Customer

Formula Number **V-7219-H**

Laboratory Number

R.M. Cost Date **8-31-57**

CODE NUMBER	100 GALLON BATCH		% BY WEIGHT	MANUFACTURING INSTRUCTIONS	Mill	
	GALLONS	POUNDS			Grind	
	DISCONTINUED				NPVLA	SiLoad -1
					Label Warning	11-62 METHOD
	USE 85-E-68				Wt. Gal.	8.5%
					Flash Pt.	"F100"
					N.V.M.	
					N.V. Vol.	
					Visc. F.B.	90-100"
					Visc. Red.	
					Reduce	Ratio
					P.V.C.	pH
					Color	Match
					Gloss	Method
					Strainer	
					Container	
					Application	
					AD Rate	
					Recoat Time	
					Remarks	
					Formulae	
					Approved by	
Yield						

Standard Formula.
Not to be taken
from File.

GLD060164

Glidden Form 1100-1 (back) Printed in U.S.A. 2-57

C & R FORMULA

Date

Formula No.

CLASS

CODES

Product

DESCRIPTORS (20 spaces-limit)

Label Warning

Trade Name

Customer

ANALYSIS

Substrate and Treatment

Pigment

%

End Use

Vehicle

%

Specifications

Royalty

Yes ☐

No ☐

Silicone

Yes ☐

No ☐

Pigment

Resins

Color

Gloss

For Use On

Resistance

Manufactured at Plant

Y-Point Lab

8-1-67(2)

(Tech Only)

#5-8-11-15-16-17

"

Vehicle

#30 (Engraving)

"

Manufacturing Instructions or Remarks

C. Rex, Panama, Mexico

Quaternary 2.8% (6)

GLD060165