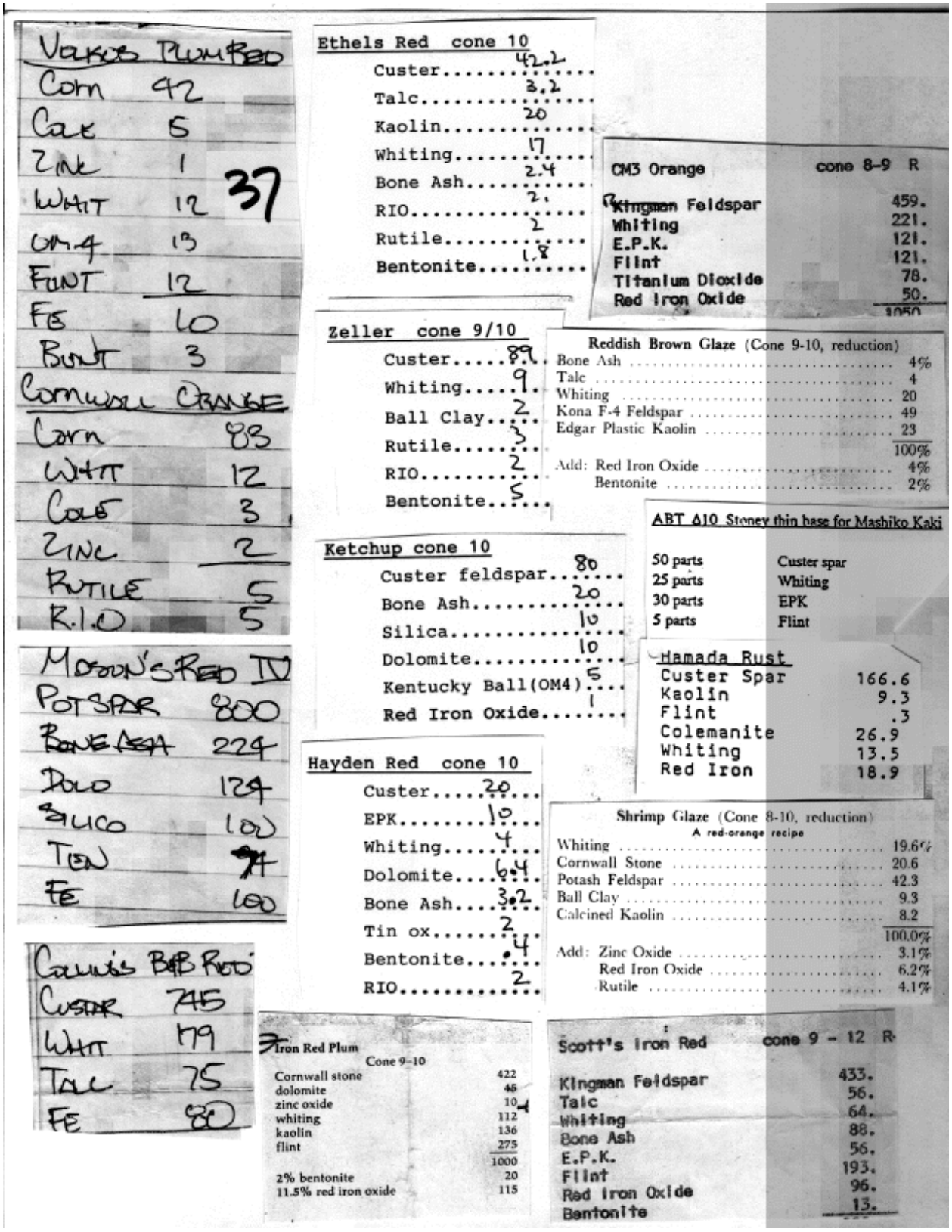
Iron Red Glazes – Cone 10



Volcks Plum Red

Corn	42
Cole	5
Zinc	1
Whit	12
OM-4	13
Flint	12
Fe	60
Bent	3

37

Cornwall Orange

Corn	83
Whit	12
Cole	3
Zinc	2
Rutile	5
R.I.O	5

Moon's Red IV

Potspar	800
Bone Ash	224
Dolo	124
Silico	100
Ten	74
Fe	100

Collin's Bab Red

Custer	745
Whit	179
Talc	75
Fe	80

Ethels Red cone 10

Custer	42.2
Talc	3.2
Kaolin	20
Whiting	17
Bone Ash	2.4
RIO	2.
Rutile	2
Bentonite	1.8

OM3 Orange cone 8-9 R

Kingman Feldspar	459.
Whiting	221.
E.P.K.	121.
Flint	121.
Titanium Dioxide	78.
Red Iron Oxide	50.
	1050

Zeller cone 9/10

Custer	89.
Whiting	9.
Ball Clay	2.
Rutile	3
RIO	2
Bentonite	5

Reddish Brown Glaze (Cone 9-10, reduction)

Bone Ash	4%
Talc	4
Whiting	20
Kona F-4 Feldspar	49
Edgar Plastic Kaolin	23
	100%
Add: Red Iron Oxide	4%
Bentonite	2%

ABT Δ10 Stoney thin base for Mashiko Kaki

50 parts	Custer spar
25 parts	Whiting
30 parts	EPK
5 parts	Flint

Ketchup cone 10

Custer feldspar	80
Bone Ash	20
Silica	10
Dolomite	10
Kentucky Ball(OM4)	5
Red Iron Oxide	1

Hamada Rust

Custer Spar	166.6
Kaolin	9.3
Flint	.3
Colemanite	26.9
Whiting	13.5
Red Iron	18.9

Hayden Red cone 10

Custer	20
EPK	10
Whiting	4
Dolomite	6.4
Bone Ash	3.2
Tin ox	2
Bentonite	.4
RIO	2

Shrimp Glaze (Cone 8-10, reduction)
A red-orange recipe

Whiting	19.6%
Cornwall Stone	20.6
Potash Feldspar	42.3
Ball Clay	9.3
Calcined Kaolin	8.2
	100.0%
Add: Zinc Oxide	3.1%
Red Iron Oxide	6.2%
Rutile	4.1%

Iron Red Plum
Cone 9-10

Cornwall stone	422
dolomite	46
zinc oxide	10
whiting	112
kaolin	136
flint	275
	1000
2% bentonite	20
11.5% red iron oxide	115

Scott's Iron Red cone 9 - 12 R

Kingman Feldspar	433.
Talc	56.
Whiting	64.
Bone Ash	88.
E.P.K.	56.
Flint	193.
Red Iron Oxide	96.
Bentonite	13.

RED #17 RED CONELL STONEW

Feldspar	50.80
Whiting	21.30
Kaolin	20.00
Silica Flint	7.90
Add:	100.00
Red Iron Oxide	5.0%
Chrome	2.0%
Zinc Oxide	6.0%

RED #18 PEACH BLOSSOM #1

Nepheline Syenite	22.50
Colemanite	15.20
Dolomite	11.20
Silica Flint	36.80
Kaolin	14.30
Add:	100.00
Red Iron Oxide	5.0%

RED #23 KINGO RED

Feldspar	48.60
Potassium Carbonate	1.50
Soda Ash	1.30
Dolomite	3.60
Bone Ash	9.30
Barium Carbonate	6.50
Silica Flint	29.00
Add:	100.00
Whiting	1.0%
Nickel Oxide	4.0%

RED #24 RED

Cornwall Stone	42.60
Dolomite	4.50
Zinc	11.40
Kaolin	13.70
Silica Flint	27.80
Add:	100.00
Red Iron Oxide	5.0%

RED #30 HUNTER RED GLAZE

Bone Ash	7.40
Dolomite	14.80
Whiting	9.30
Feldspar	46.30
Kaolin	22.20
Add:	100.00
Tin Oxide	4.7%
Red Iron Oxide	4.6%

RED #31 RICHARDS RED RUST

Dolomite	20.00
Whiting	10.00
Nepheline Syenite	30.00
Kaolin	25.00
Silica Flint	15.00
Add:	100.00
Red Iron Oxide	2.0%
Vanadium Pentoxide	2.0%

Sagebrush Glaze
(Cone 10, reduction)

Barium Carbonate	0.44%
Bone Ash	1.11
Dolomite	2.05
Gerstley Borate	5.65
Whiting	7.75
Custer Feldspar	51.38
Nepheline Syenite	2.66
Soda Feldspar	0.89
Ball Clay	2.16
Edgar Plastic Kaolin	10.19
Flint	15.72
	100.00%
Add: Red Iron Oxide	2.44%

Sagebrush is a glossy gray-green glaze with rust, orange and blue.

RED #26 ORANGE RED

Feldspar	31.60
Cornwall Stone	22.40
Whiting	22.40
Ball Clay	11.80
Kaolin	7.90
Zinc Oxide	3.90
Add:	100.00
Red Iron Oxide	3.5%
Rutile	5.0%

RED #27 LARRY'S RUSTY RED

Nepheline Syenite	37.60
Whiting	12.70
Colemanite	5.20
Barium Carbonate	4.00
Kaolin	2.60
Silica Flint	37.90
Add:	100.00
Red Iron Oxide	3.5%
Rutile	5.0%

RED #37 RICHARD'S RICH RUST

Dolomite	20.00
Whiting	10.00
Nepheline Syenite	30.00
Kaolin	25.00
Silica Flint	15.00
Add:	100.00
Red Iron Oxide	6.0%
Vanadium Pentoxide	2.0%

RED #38 SUNSET GLAZE

Bone Ash	1.90
Dolomite	13.20
Talc	1.90
Feldspar	38.90
Kaolin	25.40
Add:	100.00
Tin Oxide	5.5%
Red Iron Oxide	2.0%

RED BROWN
78 SPAR
10 WHITING
7 EPK
5 SILICO
5? R-10.

MATT RED BROWN
37.5 N.S.
29 SILICO
8 WHITING
16 EPK
8 R.10.

Masterson Orange

Feldspar	14.4
Whiting	5.1
Ball Clay	2.7
Kaolin	1.8
Cornwall Stone	5.1
Zinc Oxide	0.9
Red Iron Oxide	1.8
Rutile	1.2

Iron Red Glaze
(Cone 10)

Bone Ash	2.91%
Pearl Ash (Potassium Carbonate)	10.68
Whiting	25.24
Custer Feldspar	6.80
Grolleg Kaolin	35.92
Silica (Flint)	18.45
	100.00%
Add: Red Iron Oxide (Spanish)	9.71%

Orange Satin Matt Glaze (Cone 9–10, reduction)

Bone Ash	2.8%
Talc	3.8
Whiting	20.1
Custer Feldspar	49.7
Edgar Plastic Kaolin	23.6
	100.0%
Add: Red Iron Oxide	2.4%
Rutile	2.4%

Brown Satin Matt Glaze (Cone 9–10, reduction)

Dolomite	20%
Whiting	5
Custer Feldspar	50
Edgar Plastic Kaolin	25
	100%
Add: Manganese Dioxide	4%

Breakfast Special Glaze
(Cone 9–10, reduction)

Dolomite	11.91%
Strontium Carbonate	6.34
Whiting	8.02
Nepheline Syenite	36.89
Edgar Plastic Kaolin	2.06
Flint	34.78
	100.00%
Add: Red Iron Oxide	2.55%
Rutile	5.01%
Bentonite	2.49%

PLUMB BROWN BLACK

G-200	56.49
WHITING	6.91
EPK	4.52
NICK'S SILICA	22.86
IRON NR-4284	9.22

RED #10 JUST JANE RED

Feldspar	40.00
Silica Flint	25.50
Kaolin	18.30
Whiting	16.20
Add:	100.00
Red Iron Oxide	2.0%

NOTE: Gloss, semi-transparent. Glaze tends to go green, but under certain firing conditions goes red.

Red Glaze (Cone 9–10, reduction)

Bone Ash	3.7%
Talc	3.7
Whiting	19.9
Custer Feldspar	49.3
Edgar Plastic Kaolin	23.4
	100.0%
Add: Red Iron Oxide	4.0%

Speckled Red Glaze (Cone 9-10, reduction)

Barium Carbonate	9.61%
Bone Ash	1.75
Borax	12.23
Colemanite	3.49
Pearl Ash	2.18
Volcanic Ash	8.73
Kona F-4 Feldspar	16.59
Calcined Kaolin	12.23
Flint	33.19
	100.00%
Add: Black Copper Oxide	2.62%

Tomato Red cone 9/10 reduction

Kona F-4	45
Whiting	7
Bone Ash	11
Flint	24
Grolleg	7
Magnesium carb	6
Add: RIO	8%
Bentonite	2%

Red Orange, Opaque, Shinny.

Gloss to opaque plum to persimmon, rust, red.

TOMATOE RED cone 9-10

Kona F-4 Feldspar	54
Silica	29
E.P.K.	8
Magnesium Carbonate	8
Bone Ash	13
Red Iron Oxide	8
Bentonite	2

Tomato Red	
Kona F-4	54
Silica	29
EPK	8
Mg Co3	8
Bone Ash	13
RIO	8

Kaki cone 10

Cornwall Stone	5450gr
Ball Clay	1000gr
Calcined Ball Clay	1250gr
Wallostanite	550gr
Silica	900gr
Talc	600gr
Red Iron Oxide	600gr

Ohada Kaki Glaze (Cone 9-10, reduction)

Bone Ash	9.9%
Talc	6.3
Whiting	7.2
Kona F-4 Feldspar	48.7
Edgar Plastic Kaolin	6.3
Flint	21.6
	100.0%
Add: Red Iron Oxide	10.8%

KAKI cone 9-10

Albany Slip	65
Nepheline Syenite	35

LEWIS RED cone 9-10

Cornwall Stone	30
Barium Carbonate	49
Silica	10
Tin Oxide	5
Copper Carbonate	1
Bentonite	3%

Red Art clay calcined	61.95
Custer Feldspar	17.70
Silica	8.85
Kaolin	2.65
Dolomite	5.31
Bone Ash	3.54
Total:	100.00 %
Also add: (colorants, etc.)	2.65
Red Iron Oxide	

KAKI

TOMATO RED GLAZE
(Cone 10, reduction)

Bone Ash (not synthetic)	11.6%
Magnesium Carbonate	7.1
Kona F-4 Feldspar	48.3
Kaolin (ASP 400)	7.1
Flint	25.9
	100.0%
Add: Red Iron Oxide	7.1%
Bentonite	1.3%

This glaze should be applied thin, and requires reoxidation at the end of the firing, or early in the cooling cycle.

Another well-known red glaze is the following variation of a Dave Shaner glaze:

RED VARIATION GLAZE
(Cone 9–11, reduction or oxidation)

Bone Ash	8.9%
Talc	8.9
Whiting	16.3
Custer Feldspar	41.5
Edgar Plastic Kaolin	24.4
	100.0%
Add: Red Iron Oxide	3.3%
Rutile (milled)	1.2%

TOMATO RED

F-4 SPAR (SODA)	1620
FLINT	870
E.P.K.	240
MAGNESIUM CARB.	240
BONEASH	390
BENTONITE	50
RED IRON OXIDE	268
	3360 gr

BOUBARIC TESHA SATURATE IRON
Kona

Kona F-4 Feldspar	20
Whiting	16
Ball _Clay	26
Silica	26
Red Iron Oxide	12
Bentonite	2%

Kaki Glaze
(Cone 10, reduction)

Whiting	20%
Feldspar	30
Kaolin	20
Flint	30
	100%
Add: Red Iron Oxide	9%

ETHELS RED

CUSTER	4216
TALC	320
KAOLIN	2000
WHITING	1704
BONE ASH	240
R.I.O.	200
RUTILE	200
BENTONITE	177.6

☒ TEMPLES PERSIMMON

BONE	10.01
2882	5.7
WHITING	7.15
CUSTER	50.02
EPK	5.70
SILICA 325	21.42
RED IRON 4284	12.851

RED #29 IRON RED	
Whiting	7.70
Feldspar	51.90
Silica Flint	23.20
Kaolin	6.70
Bone Ash	10.50
Add:	100.00
Red Iron Oxide	5.5%
*Bentonite	2.0%

Iron Red

(Ohata Khaki or "Persimmon")

Custer Feldspar	43.0%
Flint	19.0
EPK	6.0
Talc	6.0
Whiting	7.0
Bone Ash	9.0
Red Iron Oxide	10.0
	100.0

Ohata Red

(Cone 10)

Bone Ash	8.66 %
Red Iron Oxide	9.45
Talc	6.30
Whiting	8.66
Custer Feldspar	42.52
Kaolin	5.51
Silica (Flint)	18.90
	100.00 %

OHARATA KHAKI

Pot.Spar	4400
Whiting	650
E.P.K.	570
S10	1950
Bone Ash	900
Talc	1000
Red Iron Oxide	970

~~OHARATA RED~~

Made for salt but works in reduct also. OHATA RED

Material	%	Grams
CUSTER SPAR	43.5	[illegible]0
FLINT	21	4200
EPK	6	1200
TALC	6	1200
WHITING	7	1400
BONE ASH	10	2000
RED IRON OXIDE	10.5	2100
Total	104	20,800

Persimmon [redacted]

Potash Feldspar (K-200)	35	44
Flint	15	20
Kaolin (EPK)	4	5
Talc	4	5
Whiting	5	6
Bone Ash	7	9
Iron	9	11
	79	100

Shaner Red Glaze

(Cone 10, reduction)

Talc	4 %
Whiting	21
Custer Feldspar	52
Calcined Kaolin	16
Edgar Plastic Kaolin	7
	100 %
Add: Red Iron Oxide	4%
Bone Ash	4%

Shaners Red Glaze c/10 Reduction

Shaners Red is a beautiful glaze when fired right. It is a brigl rust-red with yellow flacks in it. There are several variations. One example is a bright iron red where the glaze is thin and a green where it is thick. This glaze is hardest to glaze and fire

The following glaz **Mel's Orange** antly good.

Feldspar	Whiting	22.09%	4216
Talc	Custer Feldspar	60.12	320
Kaolin	EPK	17.79	2000
Whiting		100.00	1704
Bone Ash	*add Zinc Oxide*	6.5	240
Rutile	*Red Iron Oxide*	5.4	280
	Rutile	10.92	

The above glaze for Shaners is the base glaze I named Sea Foam w is a good off-white glaze. When iron is painted medium-heavy on the glaze, the iron is rust-red.

For a Red add 410 gr. Red Iron Oxide.
For a Red Gold add 300 gr. Red Iron Oxide.
For yellow add 100 gr. Red Iron Oxide.

RED #13 RED BASE	
Feldspar	48.00
Kaolin	2.00
Silica Flint	30.00
Whiting	3.00
Colemanite	5.00
Dolomite	10.00
Zinc Oxide	2.00
	100.00

RED #14 SHANNERS RED #2	
Feldspar	49.70
Talc	3.80
Kaolin	23.60
Whiting	22.90
Add:	100.00
Red Iron Oxide	7.2

ORIGINAL SHANER'S RED

CUSTER FELDSPAR	52.7
TALC	4.
WHITING	21.3
E.P.K.	25.
BONE ASH	4.
IRON OXIDE (RED)	4.

GOLD 2 to 3 IRON
2 RUTILE

GREEN-YELLOW 3 RUTILE
4 COPPER

RED #2 SHANER'S RED-GREEN	
Feldspar	49.10
Talc	4.00
Kaolin	23.10
Bone Ash	3.80
Whiting	20.00
Add:	100.00
Red Iron Oxide	4.0%

RED #3 IRON RED PLUM	
Cornwall Stone	42.20
Dolomite	4.50
Zinc Oxide	1.00
Whiting	11.20
Kaolin	13.60
Silica Flint	27.50
Add:	100.00
*Bentonite	2.0%
Red Iron Oxide	6.0%

SHANER'S RED.
SPAR 49.—
EPK 21.—
WHIT 18
TALC 3.5
BONE 9.—
FE 3.5
RUTILE 1.—

SHANER BROWN Δ9-1
SPAR 45.35
KAOLIN 21.51
WHIT 20.9
R.I.O. 7.07
TALC 20 3.44
BONE 1.72

SHANER RED GOLD
SPAR 49
TALC 4
EPK 24 39
WHIT 20
BONE 3
RIO 2.4
RUTILE 2.4

RED #40 SHANER RED #3	
Bone Ash	9.00
Talc	3.00
Whiting	19.00
Feldspar	47.00
Kaolin	22.00
Add:	100.00
Red Iron Oxide	4.0%

Cantrell's Shaner Red Glaze
(Cone 9, reduction)

Bone Ash	8.45%
Talc	15.20
Whiting	12.67
Custer Feldspar	43.16
Kentucky Ball Clay (OM 4)	20.52
	100.00%
Add: Red Iron Oxide	3.58%
Rutile	1.69%

Plum Red Glaze
(Cone 9–10, reduction)

Dolomite	4.4%
Whiting	11.3
Zinc Oxide	1.0
Cornwall Stone	42.0
Kaolin	13.5
Flint	27.8
	100.0%
Add: Red Iron Oxide	9.9%

This glaze has an oil spot surface.

Shaner Red Glaze Variation
(Cone 9–10, reduction)

Bone Ash	8.9%
Talc	8.9
Whiting	16.3
Custer Feldspar	41.5
Edgar Plastic Kaolin	24.4
	100.0%
Add: Red Iron Oxide	3.3%
Rutile (milled)	1.2%

Thin yields red brown; thick yields medium green.

Mary Rich Red Glaze
(Cone 8–9, reduction)

Whiting	17.0%
Cornwall Stone	67.0
Ball Clay	16.0
	100.0%
Add: Red Iron Oxide	12.5%

Good for single firing (because of all the ball clay). Substitute Georgia kaolin for the ball clay if intended to apply to bisqueware.

Iron Red Glaze
(Cone 9)

Dolomite	12%
Whiting	7
Custer Feldspar	41
Ball Clay (any)	7
Flint	33
	100%
Add: Red Iron Oxide	10%

This glaze is a semigloss and is semiopaque. It appears red when thin; green when thick, both colors being applelike.

Altered Shaner Red Glaze
(Cone 10, reduction)

Bone Ash	3.68%
Talc	3.93
Whiting	19.66
Custer Feldspar	48.16
Bentonite	1.97
Georgia Kaolin 6 Tile Clay	22.60
	100.00%
Add: Red Iron Oxide	5.32%

Red Orange Glaze
(Cone 9, oxidation or reduction)

Whiting	19%
Zinc Oxide	3
Cornwall Stone	20
Kona F-4 Feldspar	41
Calcined Kaolin (any)	8
Tennessee Ball Clay	9
	100%
Add: Iron Oxide	6%
Rutile (milled)	4%

Shaner Red Glaze
(Cone 9, oxidation or reduction)

Bone Ash	9.48%
Talc	3.45
Whiting	17.24
Custer Feldspar	43.97
Edgar Plastic Kaolin	25.86
	100.00%
Add: Red Iron Oxide	3.45%
Rutile (milled)	1.29%

Entorf Kaki Brown Red Glaze
(Cone 9, oxidation or reduction)

Whiting	13.79%
Kona F-4 Feldspar	28.74
Tennessee Ball Clay #7	28.73
Flint	28.74
	100.00%
Add: Iron Oxide	14.94%

Plum Red

Custer Feldspar	277.7
EPK	15.5
Silica	.5
Colemanite	44.7
Whiting	22.5
	360.9
Red Iron Ox	36

Persimmon Red

Spar	2100
Silica	420
Whiting	420
	2940
Bentonite	90
Red Iron Ox	60
Rutile	90

Satin Nightmare

Cornwall Stone	50
Whiting	25
EPK	25
	100
Red Iron Ox	8

Red Art clay calcined	61.95
Custer Feldspar	17.70
Silica	8.85
Kaolin KAKI	2.65
Dolomite Δ10	5.31
Bone Ash	3.54
Total:	100.00
Also add: (colorants, etc.)	
Red Iron Oxide	2.65

nepheline Syenite	47.30
Gerstley borate	14.20
Flint	27.50
Whiting ORANG RED Δ10	9.30
Zinc oxide	1.70
Total:	100.00 %
Also add: (colorants, etc.)	
Copper carbonate	0.30
Tin oxide	1.00

ANGEL EYES (C.10)

EPK	10
Whiting	20
Silica	30
Potash Spar	40
Total	100

Add

Red Iron Ox.	5
Rutile	4

5. Toowoomba Special

Potspar 40
Ball clay 20
Barium Carb 20
Iron 5

recipes

All of the recipes shown here were fired to at least Cone 11 in an oxidation atmosphere.

Iron Saturate #1

Red Iron Oxide	8 %
Whiting (325 mesh)	16
Custer Feldspar	36
EPK (Edgar Plastic Kaolin)	16
Silica (Flint—200 mesh)	24
	100 %

Iron Saturate #2

Red Iron Oxide	11 %
Whiting (325 mesh)	15
Custer Feldspar	30
EPK (Edgar Plastic Kaolin)	8
Silica (Flint—200 mesh)	36
	100 %

Iron Saturate #3

Dolomite	4.5 %
Red Iron Oxide	9.1
Whiting (325 mesh)	5.5
Custer Feldspar	60.9
EPK (Edgar Plastic Kaolin)	4.5
Silica (Flint—200 mesh)	15.5
	100.0 %

Iron Saturate #4

Red Iron Oxide	10 %
Whiting (325 mesh)	17
Custer Feldspar	23
EPK (Edgar Plastic Kaolin)	25
Silica (Flint—200 mesh)	25
	100 %

Iron Saturate #5

Red Iron Oxide	9.4 %
Whiting (325 mesh)	15.1
Custer Feldspar	40.3
EPK (Edgar Plastic Kaolin)	9.4
Kentucky Ball Clay (OM 4)	5.6
Silica (Flint—200 mesh)	20.2
	100.0 %

Iron Saturate #6

Red Iron Oxide	19 %
Whiting (325 mesh)	12
Nepheline Syenite	21
EPK (Edgar Plastic Kaolin)	24
Silica (Flint—200 mesh)	24
	100 %

Iron Saturate #7

Red Iron Oxide	15 %
Whiting (325 mesh)	15
Nepheline Syenite	20
EPK (Edgar Plastic Kaolin)	25
Silica (Flint—200 mesh)	25
	100 %

Iron Saturate #8

Red Iron Oxide	14 %
Whiting (325 mesh)	19
Cornwall Stone	19
EPK (Edgar Plastic Kaolin)	24
Silica (Flint—200 mesh)	24
	100 %

Iron Saturate #9

Red Iron Oxide	13 %
Whiting (325 mesh)	21
Custer Feldspar	17
EPK (Edgar Plastic Kaolin)	28
Silica (Flint—200 mesh)	21
	100 %

Iron Saturate #10

Bone Ash	9 %
Red Iron Oxide	10
Talc	6
Whiting (325 mesh)	7
Custer Feldspar	42
EPK (Edgar Plastic Kaolin)	6
Silica (Flint—200 mesh)	20
	100 %

Iron Saturate #11

Borax	8 %
Red Iron Oxide	11
Titanium Oxide	4
Whiting (325 mesh)	15
Custer Feldspar	25
EPK (Edgar Plastic Kaolin)	5
Silica (Flint—200 mesh)	32
	100 %

Iron Saturate #12

Gerstley Borate	4.8 %
Red Iron Oxide	8.0
Rutile	7.2
Whiting (325 mesh)	19.2
Cornwall Stone	40.0
EPK (Edgar Plastic Kaolin)	10.4
Silica (Flint—200 mesh)	10.4
	100.0 %

Iron Saturate #13

Bone Ash	5 %
Red Iron Oxide	4
Rutile	9
Whiting (325 mesh)	18
Custer Feldspar	49
EPK (Edgar Plastic Kaolin)	15
	100 %
Add: Zinc Oxide	5 %

Iron Saturate #14

Red Iron Oxide	9.2 %
Whiting (325 mesh)	16.3
Custer Feldspar	42.8
EPK (Edgar Plastic Kaolin)	13.3
Silica (Flint—200 mesh)	18.4
	100.0 %
Add: Zinc Oxide	2 %

Iron Saturate #15

Gerstley Borate	11 %
Red Iron Oxide	9
Whiting (325 mesh)	5
Custer Feldspar	70
EPK (Edgar Plastic Kaolin)	4
Silica (Flint—200 mesh)	1
	100 %

Iron Saturate #16

Red Iron Oxide	9 %
Whiting (325 mesh)	6
Custer Feldspar	55
EPK (Edgar Plastic Kaolin)	5
Silica (Flint—200 mesh)	25
	100 %