

Katz Matte- Δ 10

Lab 1-Pick-A-Part

Katz Matte

Original

062522-1

Neph Sy	42.84
Strontium Carb	35.37
EPK	12.90
Flint	8.89
Copper Carbonate	1.01
Water	60



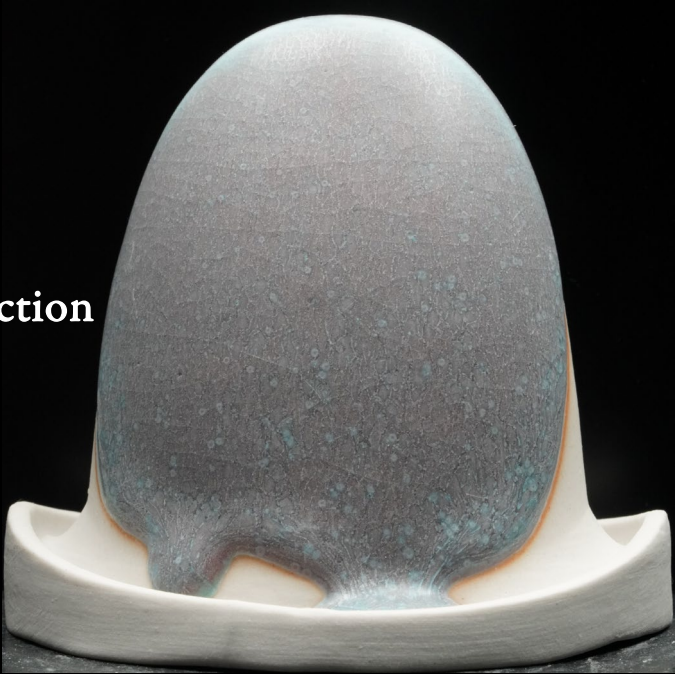
1-3 Second Dip



2-3 Second Dips

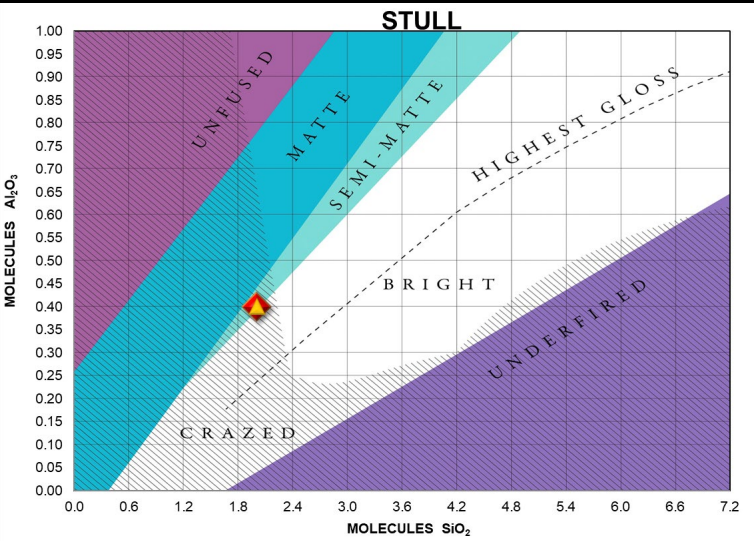


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO 0.02	SrO 0.69	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Lab 1-Oxidation



062522-1



062522-2



062522-3

1-3 Second Dip



062522-4



062522-5



062522-6



Original



w/o Neph Sy



w/o Strontium

2-3 Second Dips



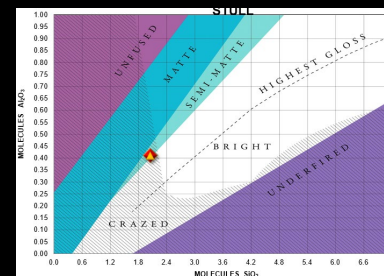
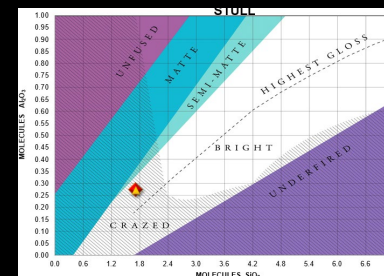
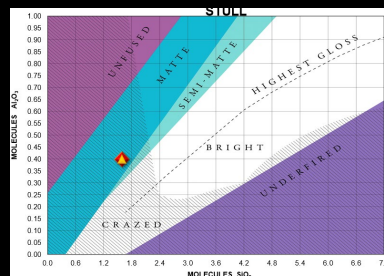
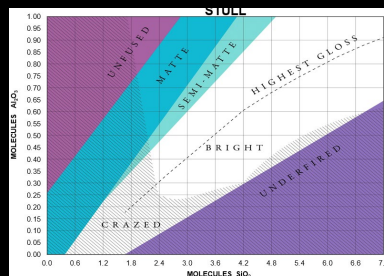
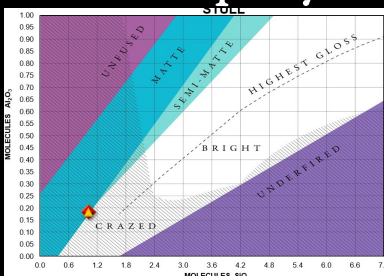
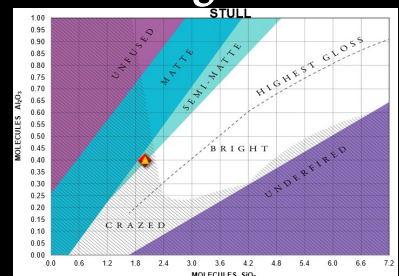
w/o Flint



w/o Kaolin



w/o Colorants



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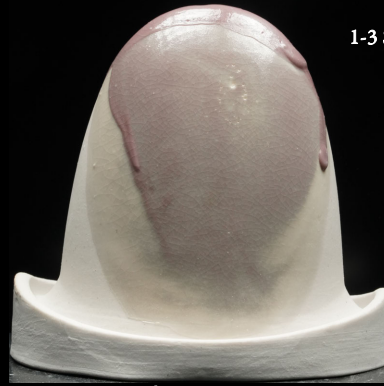
Lab 1-Reduction



062522-1



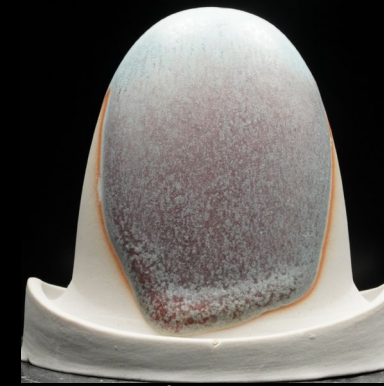
062522-2



062522-3



062522-4



062522-5



062522-6

1-3 Second Dip



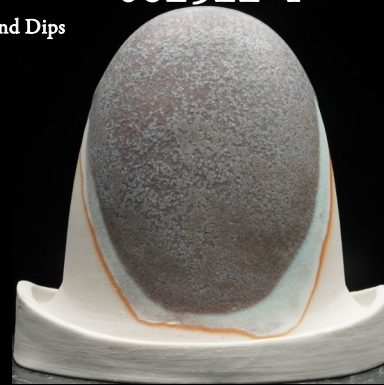
Original



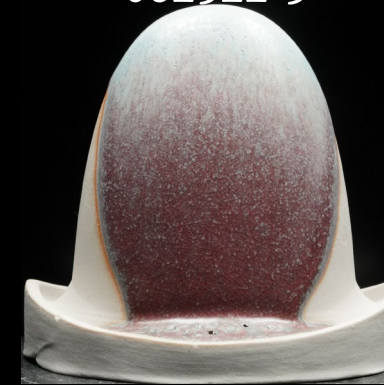
w/o Neph Sy



w/o Strontium



w/o Flint

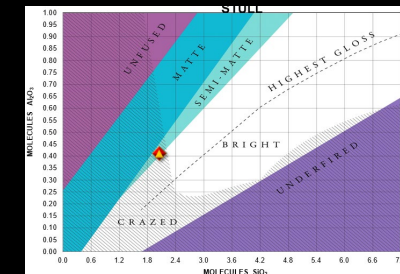
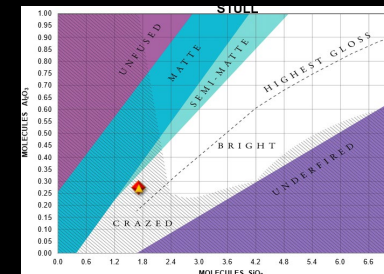
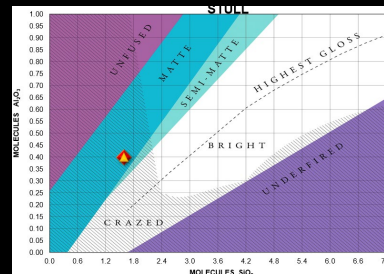
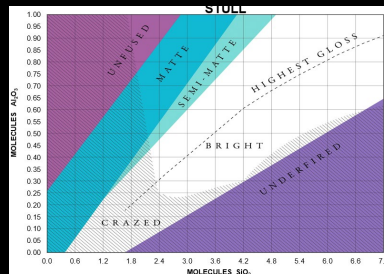
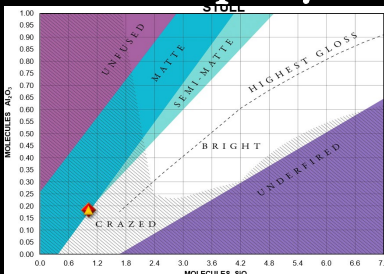
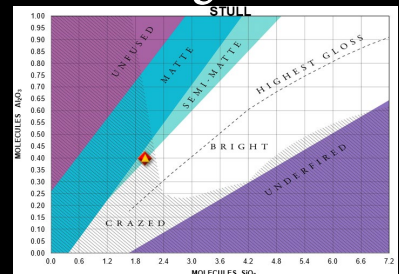


w/o Kaolin



w/o Colorants

2-3 Second Dips



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Katz Matte

Original
062522-1

Neph Sy	42.84
Strontium Carb	35.37
EPK	12.90
Flint	8.89
Copper Carbonate	1.01
Water	60



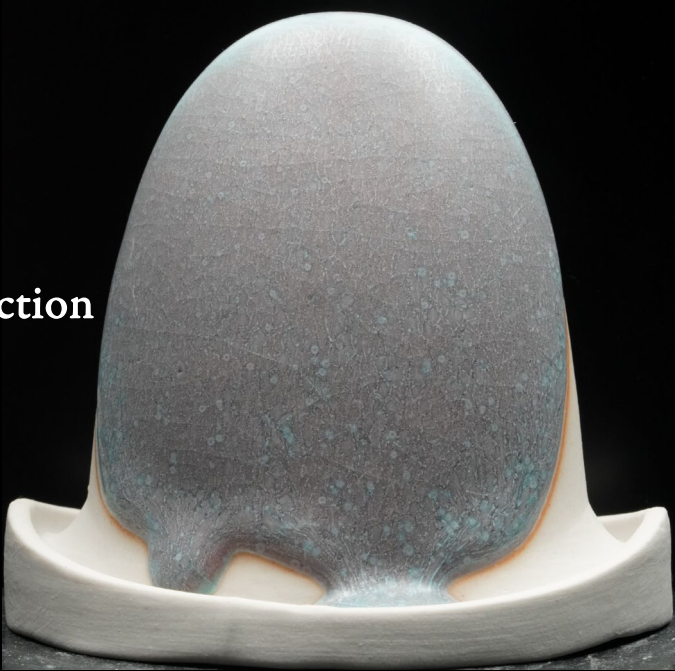
1-3 Second Dip



2-3 Second Dips



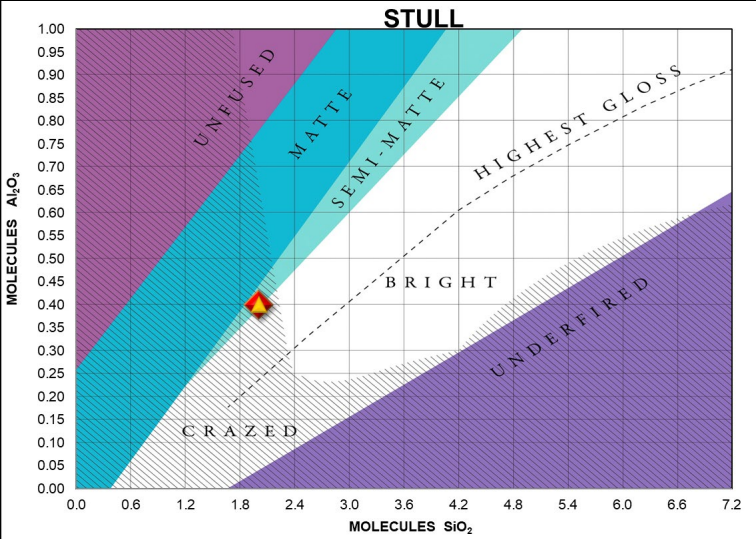
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 2.01	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO 0.02	SrO 0.69	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Katz Matte

w/o Alkali Metal

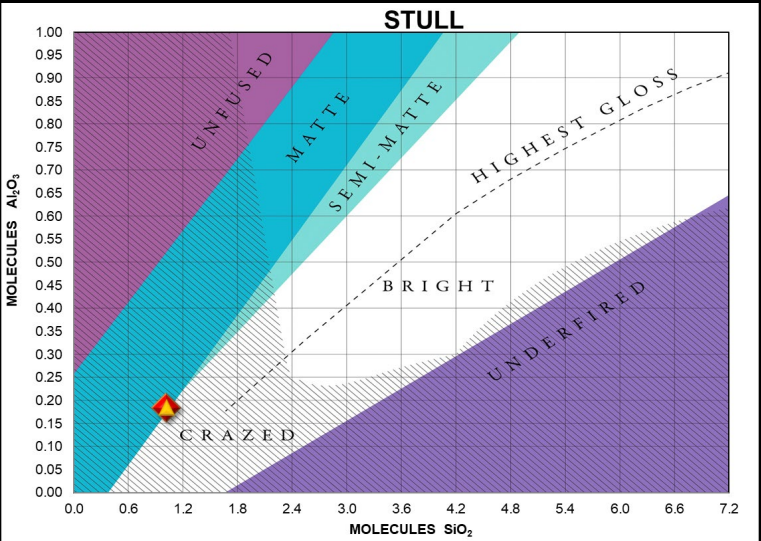
062522-2

Neph Sy	
Strontium Carb	61.88
EPK	22.56
Flint	15.55
Copper Carbonate	1.00
Water	80



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.49 :1		Alkali Metals 0.02		Alkaline Earths 0.98	
SiO ₂ 1.02	Collective "Al ₂ O ₃ " 0.19	Na ₂ O	K ₂ O 0.00	MgO 0.00	CaO 0.00
B ₂ O ₃	Al ₂ O ₃ 0.18	Li ₂ O	CuO 0.02	SrO 0.97	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.49 :1		Alkali Metals 0.00		Alkaline Earths 1.00	
SiO ₂ 1.04	Collective "Al ₂ O ₃ " 0.19	Na ₂ O	K ₂ O 0.00	MgO 0.00	CaO 0.00
B ₂ O ₃	Al ₂ O ₃ 0.19	Li ₂ O	CuO	SrO 0.99	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

Katz Matte

w/o Alkaline Earth

062522-3

Neph Sy	66.29
Strontium Carb	
EPK	19.95
Flint	13.76
Copper Carbonate	1.00
Water	60



1-3 Second Dip



2-3 Second Dips



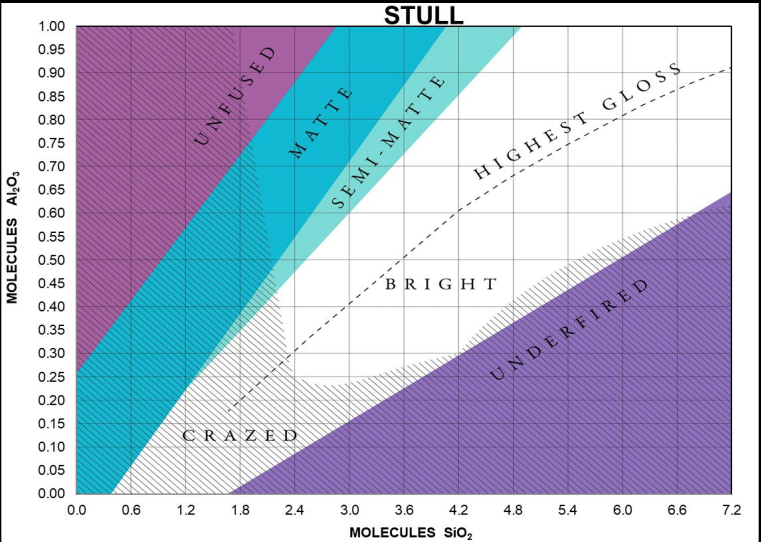
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.94		Alkaline Earths 0.06	
SiO ₂ 6.74	Collective "Al ₂ O ₃ " 1.35	Na ₂ O 0.69	K ₂ O 0.20	MgO 0.01	CaO 0.03
B ₂ O ₃	Al ₂ O ₃ 1.34	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.94		Alkaline Earths 0.06	
SiO ₂ 7.10	Collective "Al ₂ O ₃ " 1.42	Na ₂ O 0.73	K ₂ O 0.21	MgO 0.01	CaO 0.03
B ₂ O ₃	Al ₂ O ₃ 1.41	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.01	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

Katz Matte

w/o Silica
062522-4

Neph Sy	47.02
Strontium Carb	38.82
EPK	14.15
Flint	
Copper Carbonate	1.00
Water	60



1-3 Second Dip



2-3 Second Dips

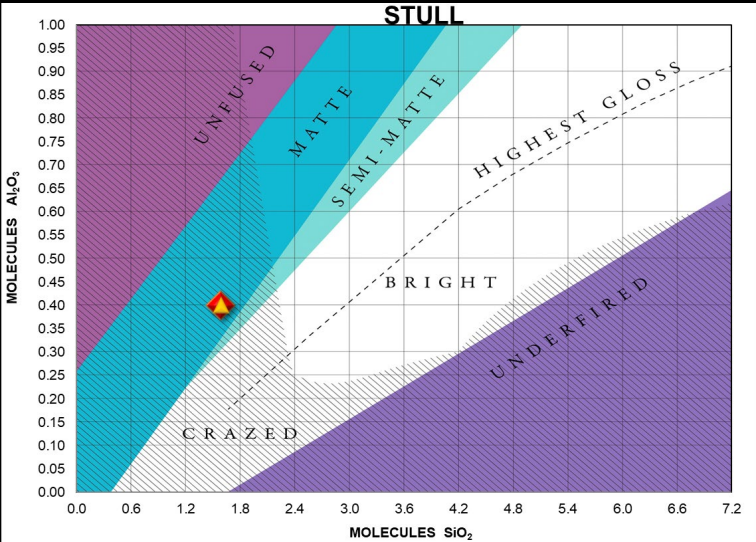
Oxidation



Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 3.96 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 1.63	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 3.96 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 1.59	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.40	Li ₂ O	CuO 0.02	SrO 0.70	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



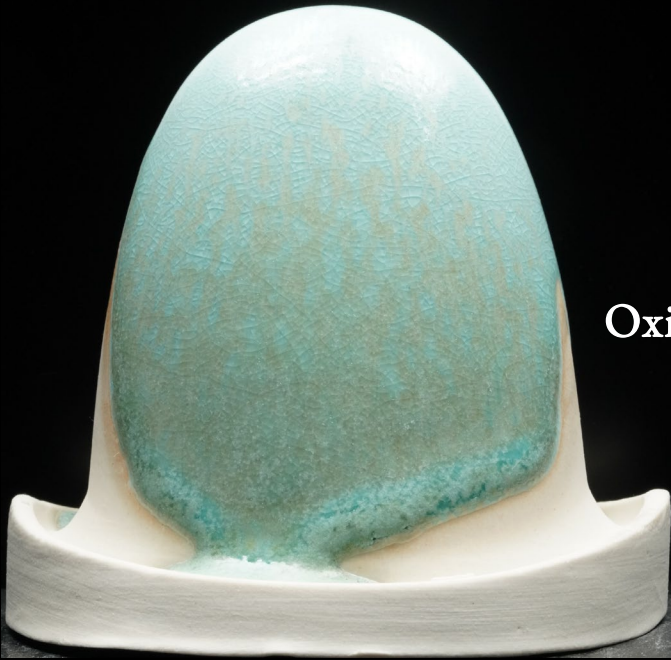
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Katz Matte

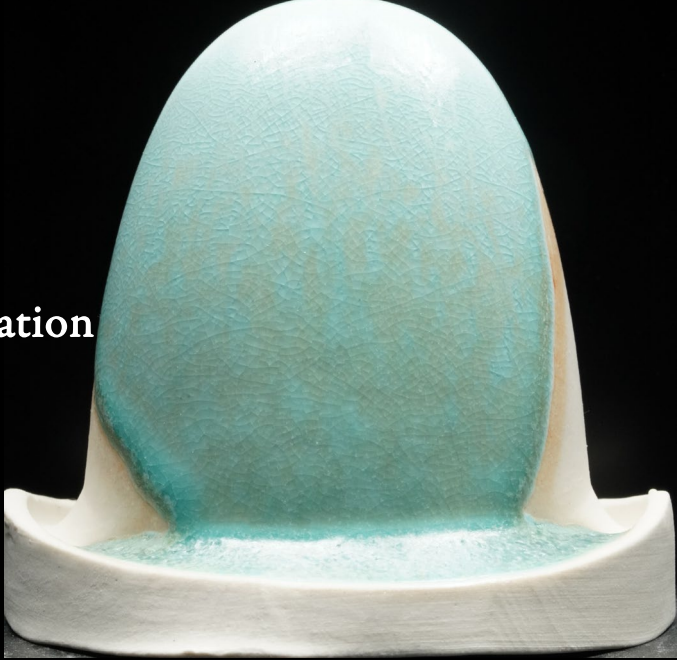
w/o Kaolin

062522-5

Neph Sy	49.18
Strontium Carb	40.61
EPK	
Flint	10.21
Copper Carbonate	1.00
Water	60

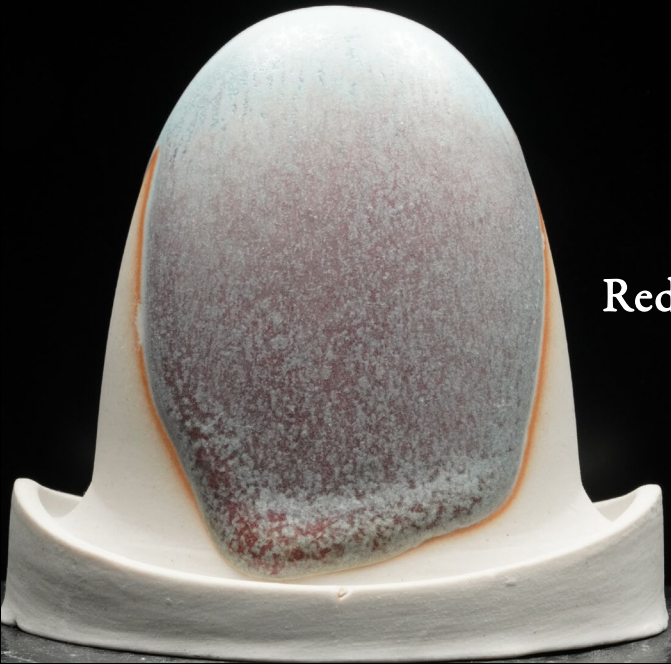


1-3 Second Dip



2-3 Second Dips

Oxidation

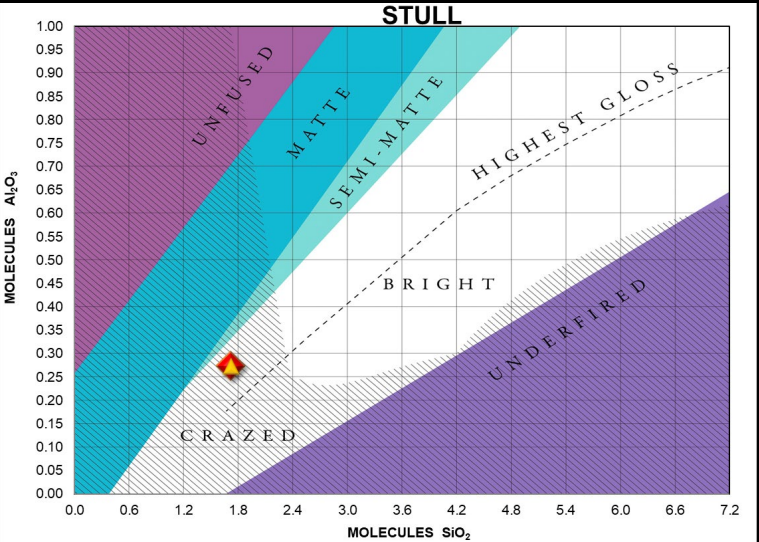


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 6.30 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 1.76	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO 0.72	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 6.30 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 1.72	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO 0.02	SrO 0.70	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Katz Matte

w/o Colorants

062522-6

Neph Sy	42.84
Strontium Carb	35.37
EPK	12.90
Flint	8.89
Copper Carbonate	
Water	60



1-3 Second Dip



2-3 Second Dips



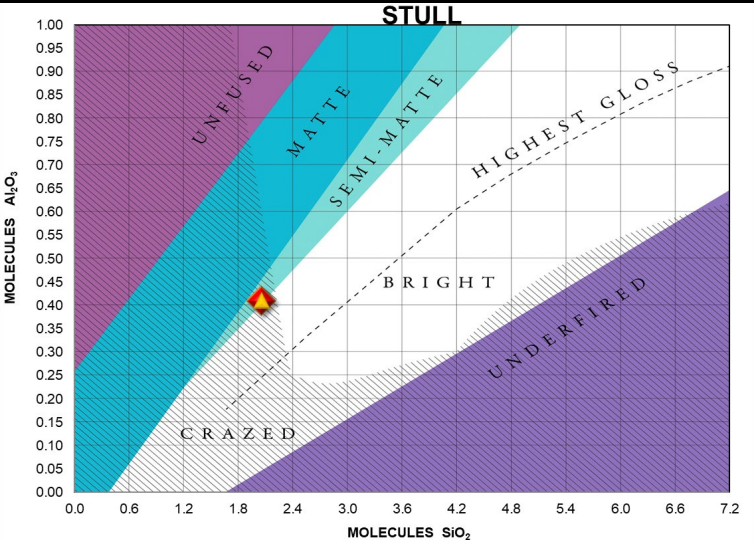
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 2.06	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.21	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.41	Li ₂ O	CuO	SrO 0.71	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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