

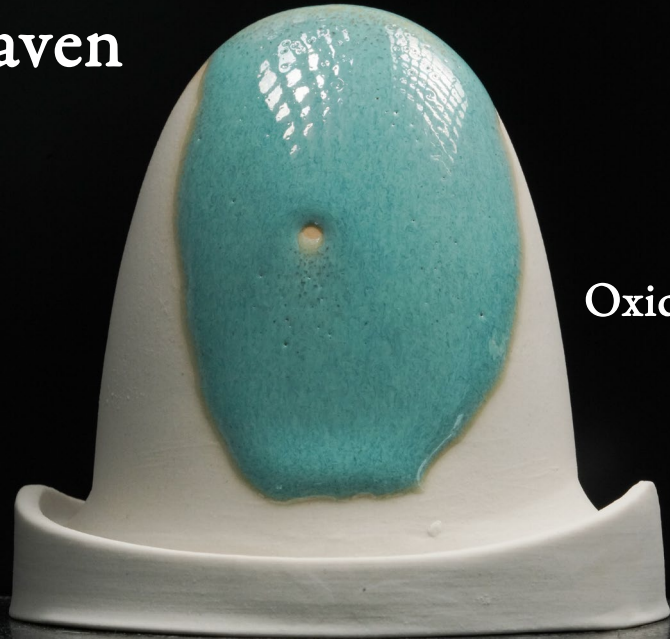
My Blue Heaven- Δ 10

Lab 2-Flux Capacity

My Blue Heaven

Original
062622-1

Neph Sy	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60

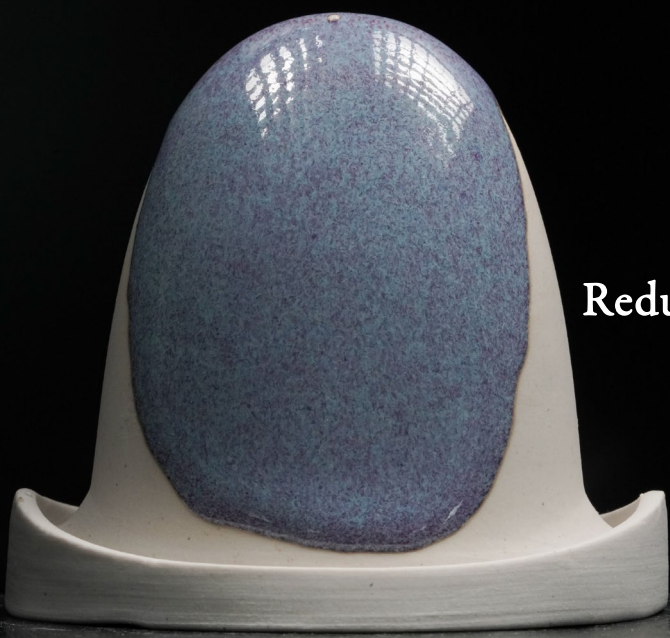


Oxidation

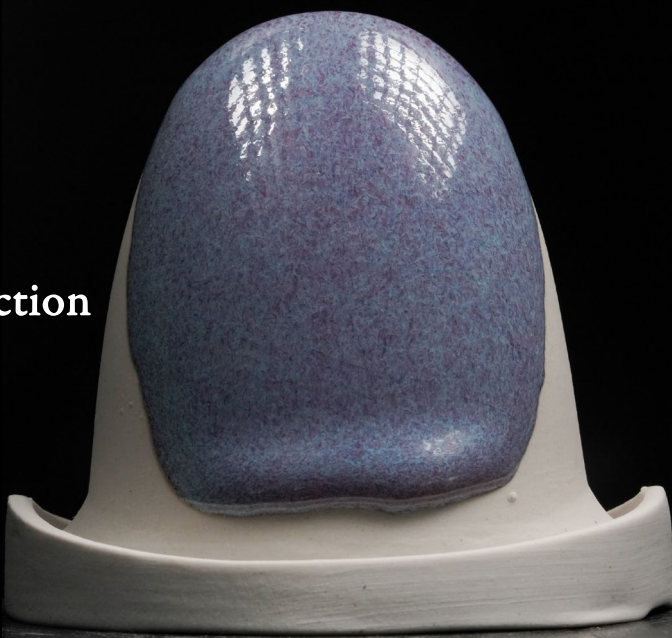
1-3 Second Dip



2-3 Second Dips

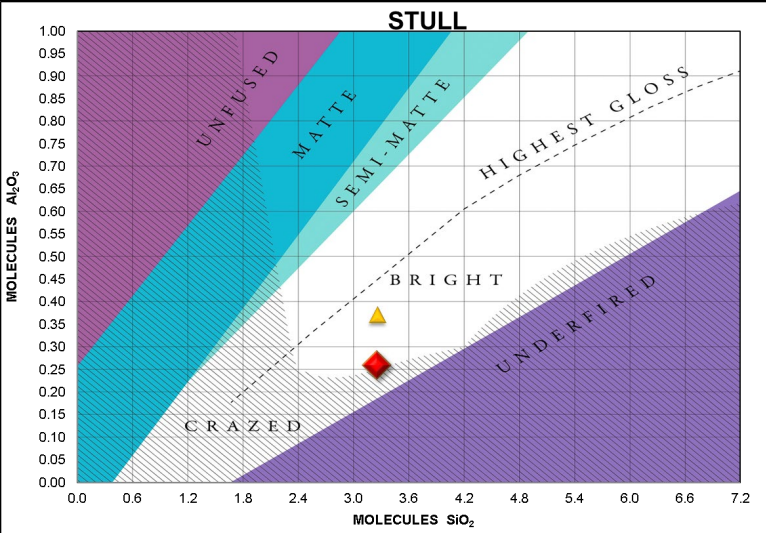


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.51 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.52	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.75
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	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

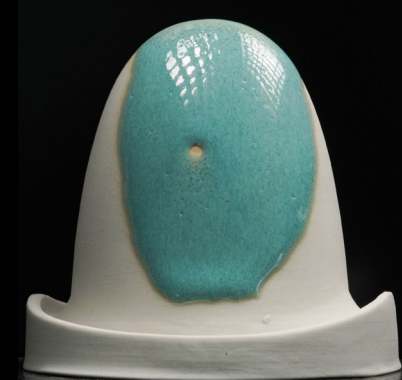
SiO ₂ :Al ₂ O ₃ Ratio 8.75 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Lab 2-Alkali Metals-Oxidation



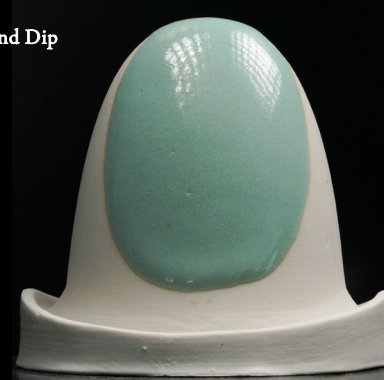
062622-1



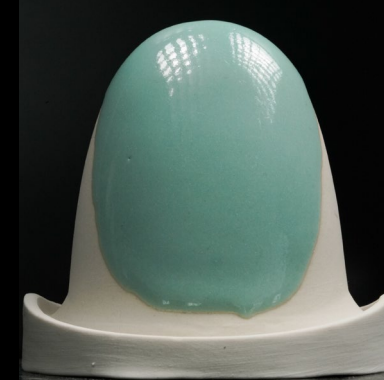
062622-7



062622-8



062622-9



062622-10



062622-11

1-3 Second Dip

2-3 Second Dips



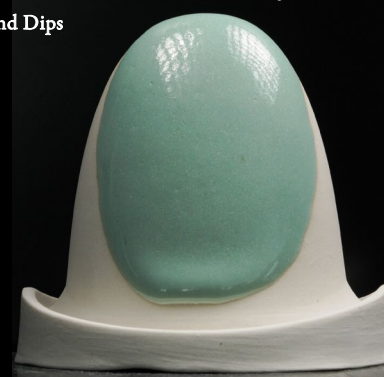
Original (NS)



w/Mahavir



w/Custer



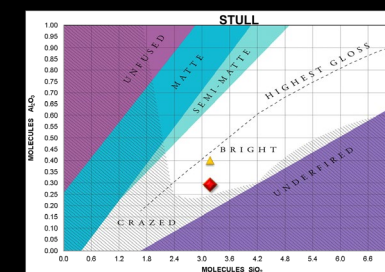
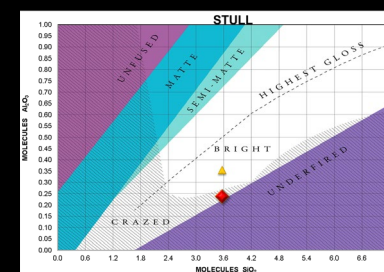
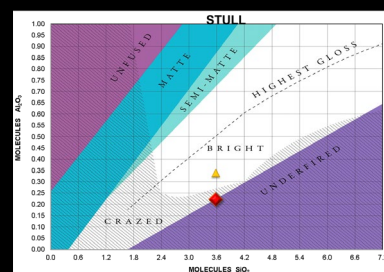
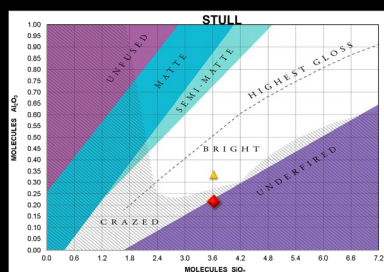
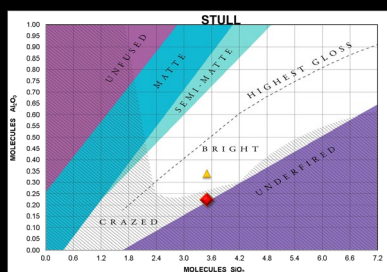
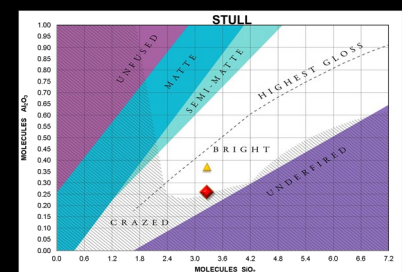
w/G200EU



w/Minspar



w/Spodumene



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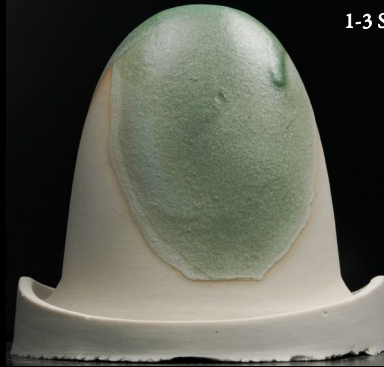
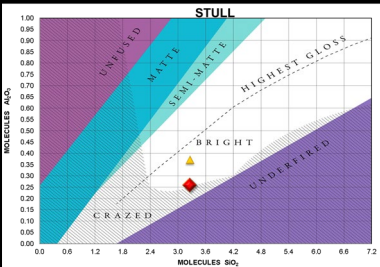
Lab 2-Alkali Metals-Oxidation



062622-1



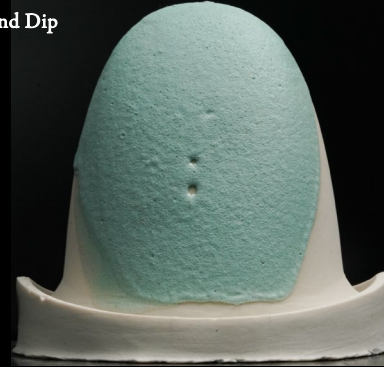
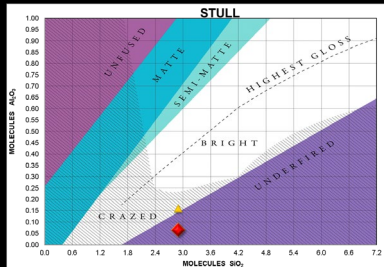
Original (NS)



062622-13



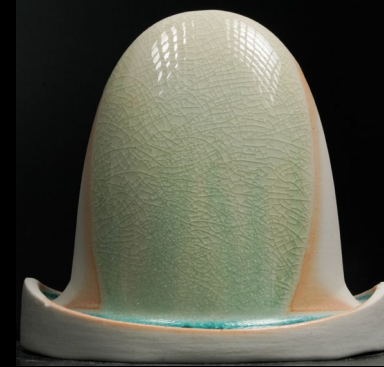
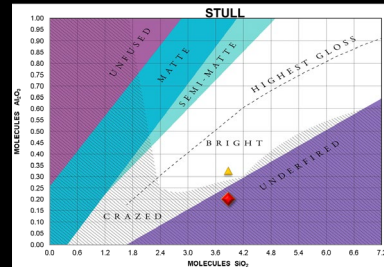
w/Frit 3110



062622-14



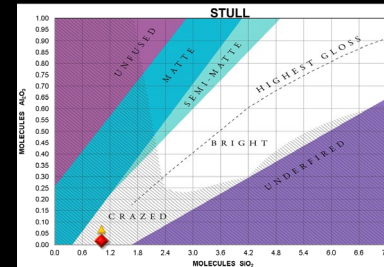
w/Cornwall



062622-15



w/Lithium Carbonate



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Lab 2-Alkali Metals-Reduction



062622-1



062622-7



062622-8



062622-9



062622-10



062622-11

1-3 Second Dip

2-3 Second Dips



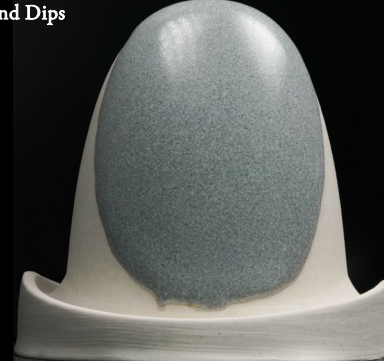
Original (NS)



w/Mahavir



w/Custer



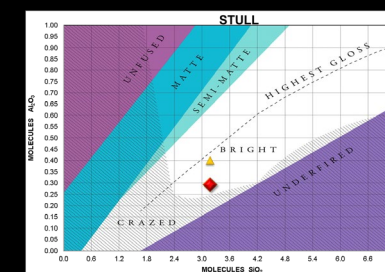
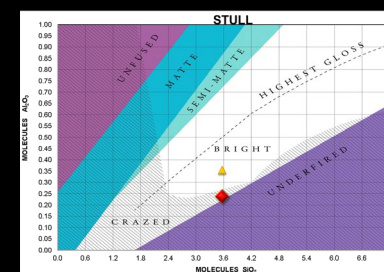
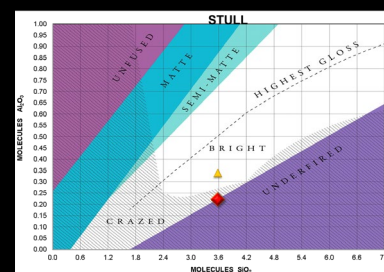
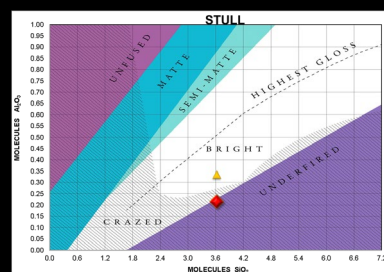
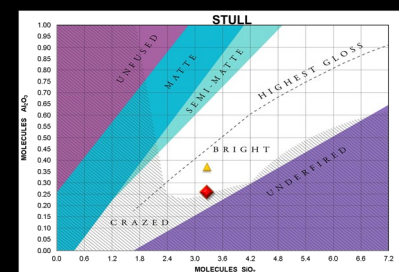
w/G200EU



w/Minspar



w/Spodumene



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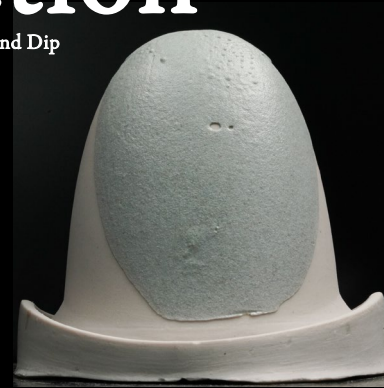
Lab 2-Alkali Metals-Reduction



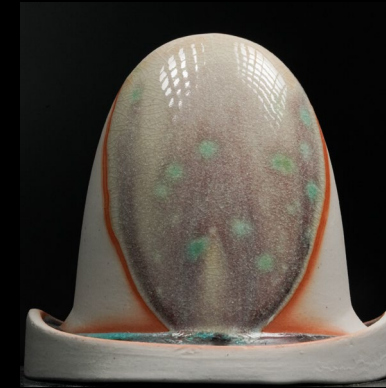
062622-1



062622-13



062622-14



062622-15

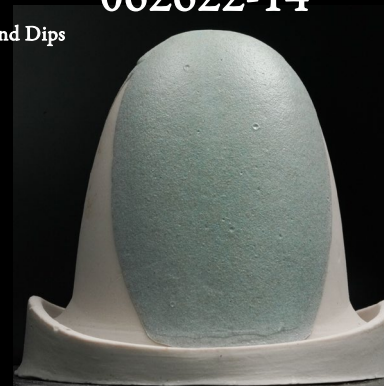
1-3 Second Dip



Original (NS)



w/Frit 3110

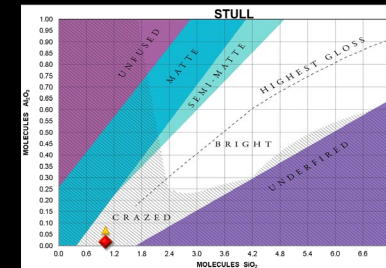
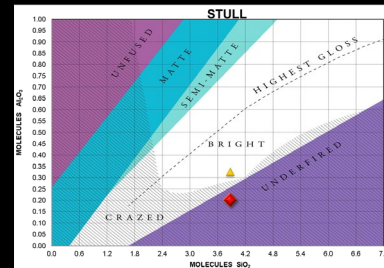
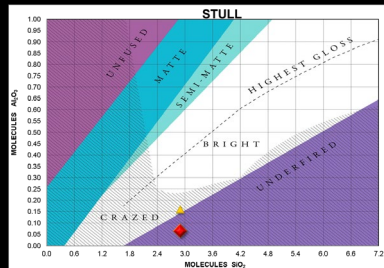
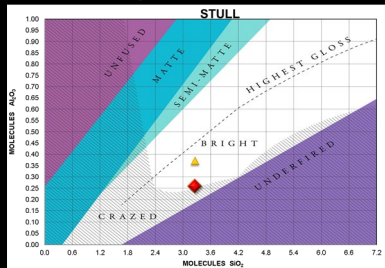


w/Cornwall



w/Lithium Carbonate

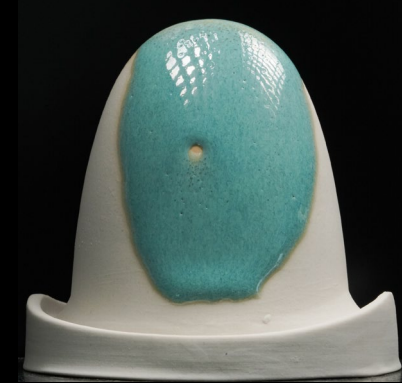
2-3 Second Dips



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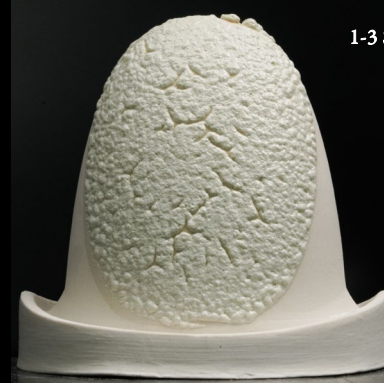
Lab 2-Alkaline Earth-Oxidation



062622-1

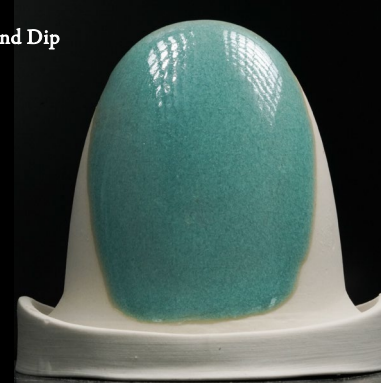


062622-16

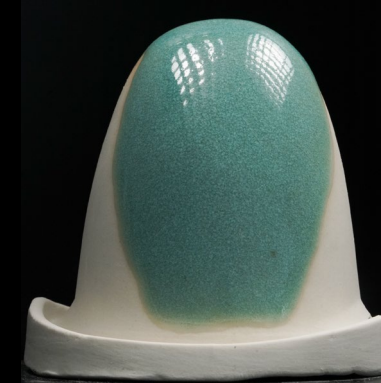


062622-17

1-3 Second Dip



062622-18



062622-19



062622-20



Original (W)



w/Talc



w/Mag Carb

2-3 Second Dips



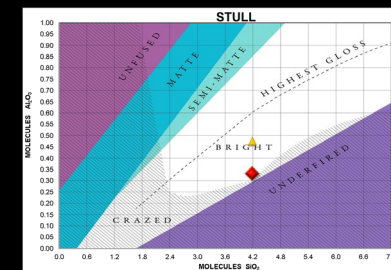
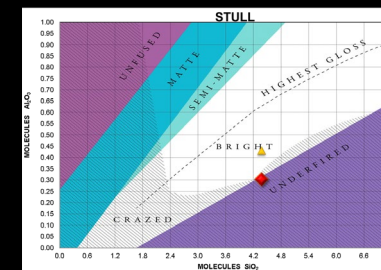
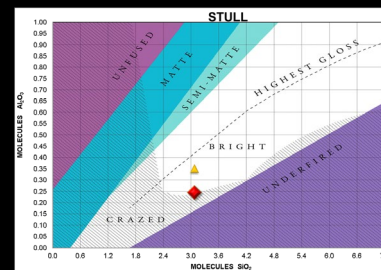
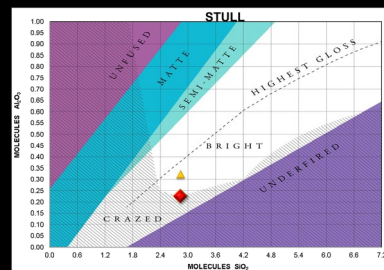
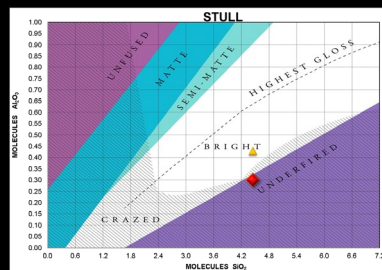
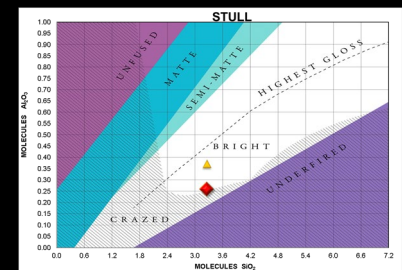
w/Dolomite



w/Wollastonite



w/Strontium Carb



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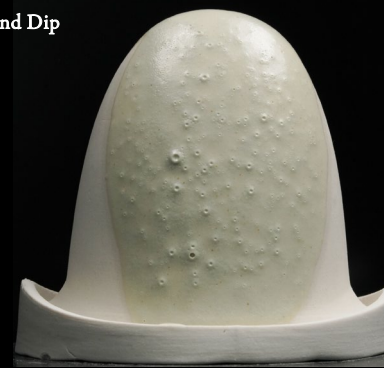
Lab 2-Alkaline Earth-Oxidation



062622-1



062622-21



062622-22



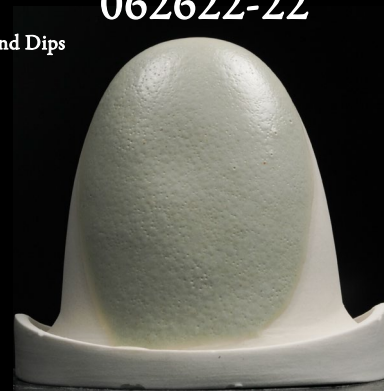
062622-23



Original (W)



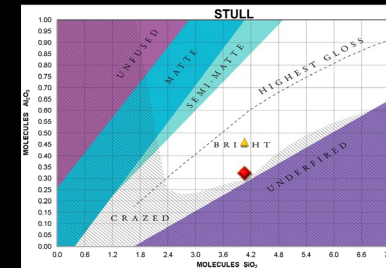
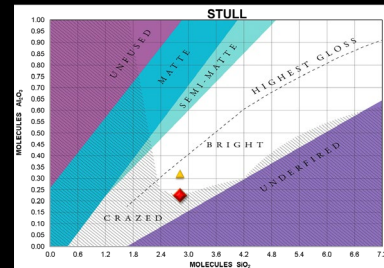
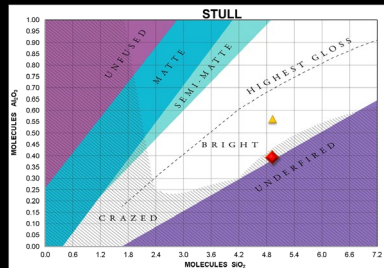
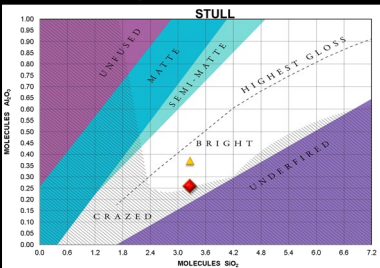
w/Barium Carb



w/Zinc Oxide



w/Bone Ash



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Lab 2-Alkaline Earth-Reduction



062622-1

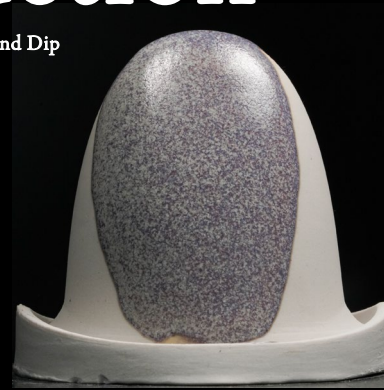


062626-16



062622-17

1-3 Second Dip



062622-18



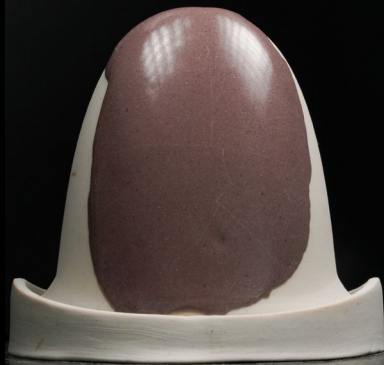
062622-19



062622-20



Original (W)



w/Talc



w/Mag Carb

2-3 Second Dips



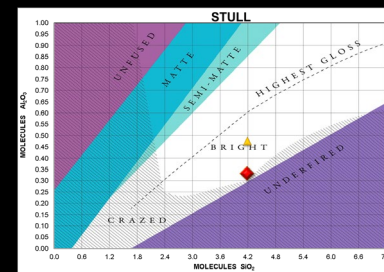
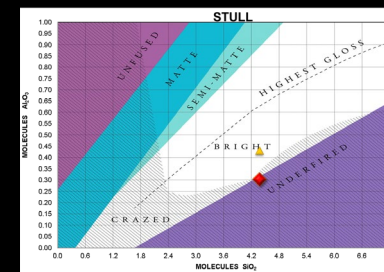
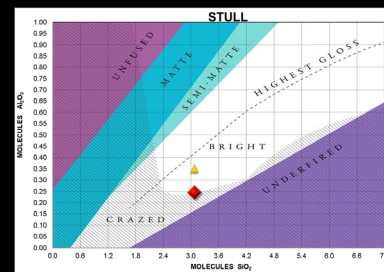
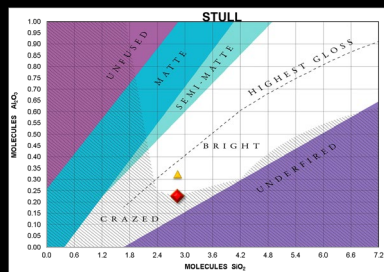
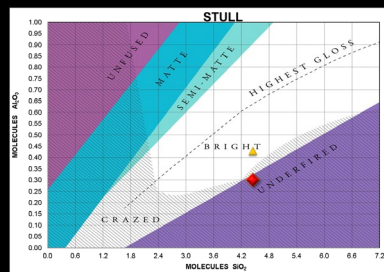
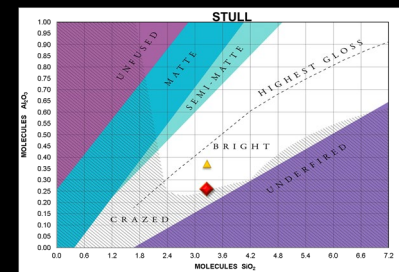
w/Dolomite



w/Wollastonite



w/Strontium Carb



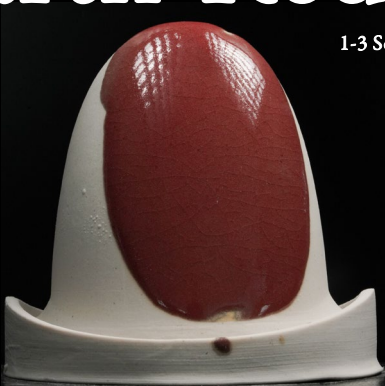
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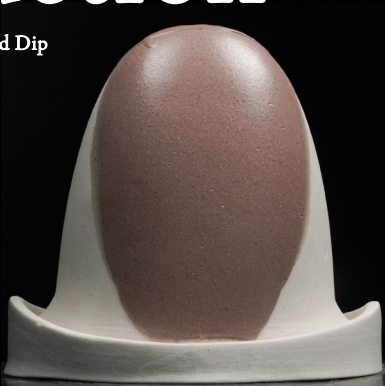
Lab 2-Alkaline Earth-Reduction



062622-1



062622-21



062622-22



062622-23



Original (W)



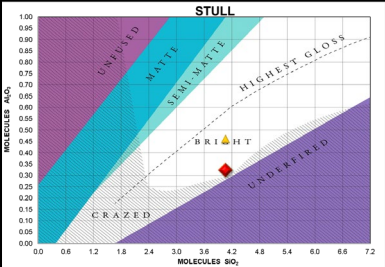
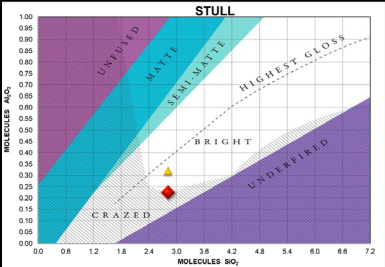
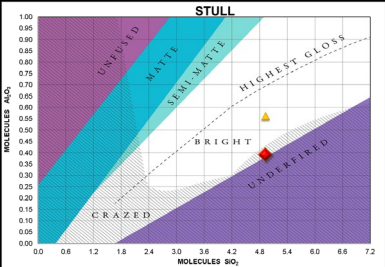
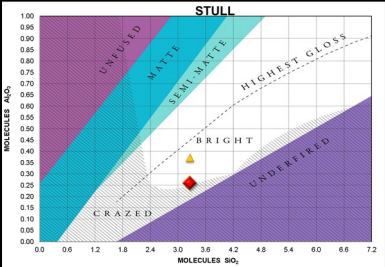
w/Barium Carb



w/Zinc Oxide



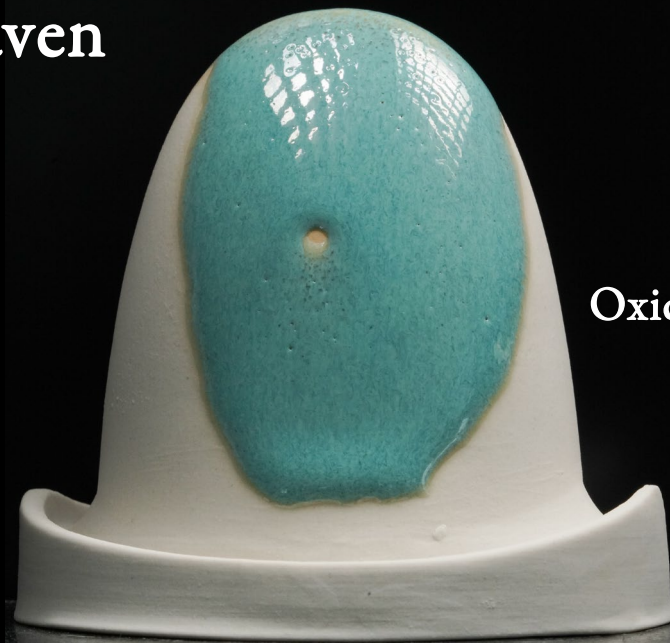
w/Bone Ash



My Blue Heaven

Original
062622-1

Neph Sy	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60

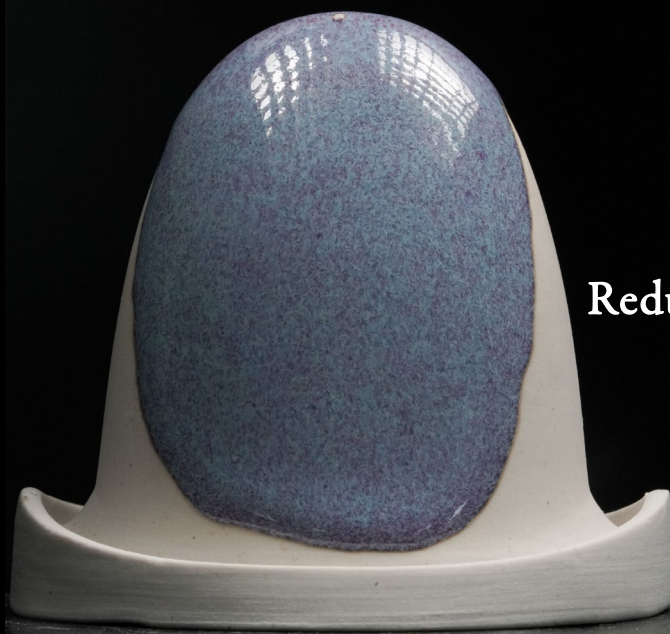


1-3 Second Dip

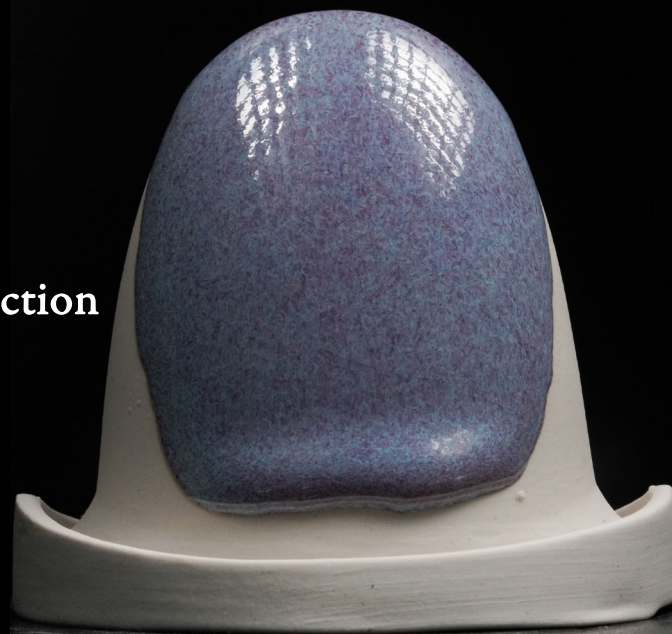
Oxidation



2-3 Second Dips

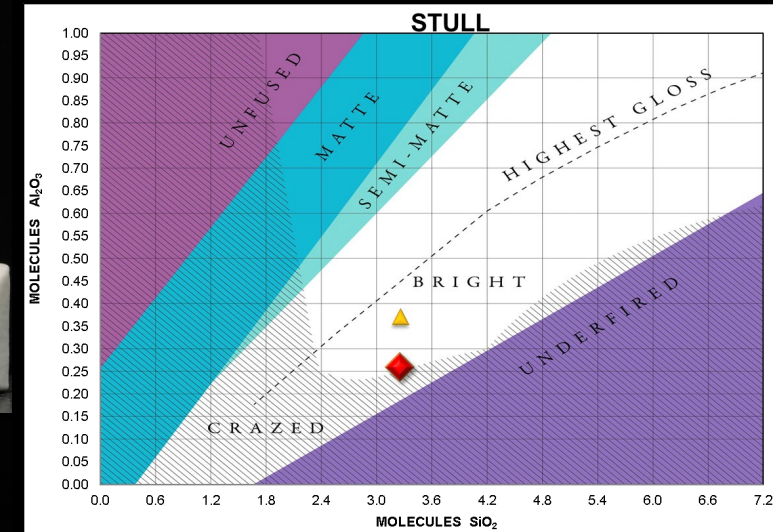


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.51 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.52	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.75
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	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 8.75 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



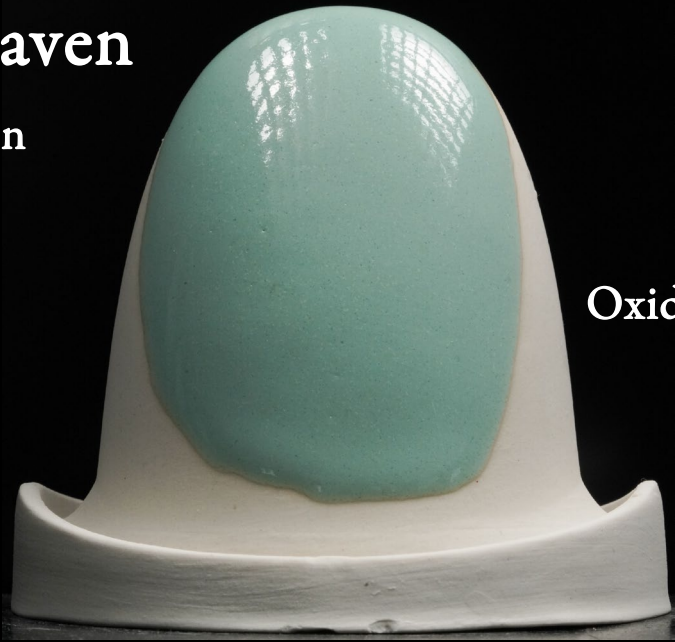
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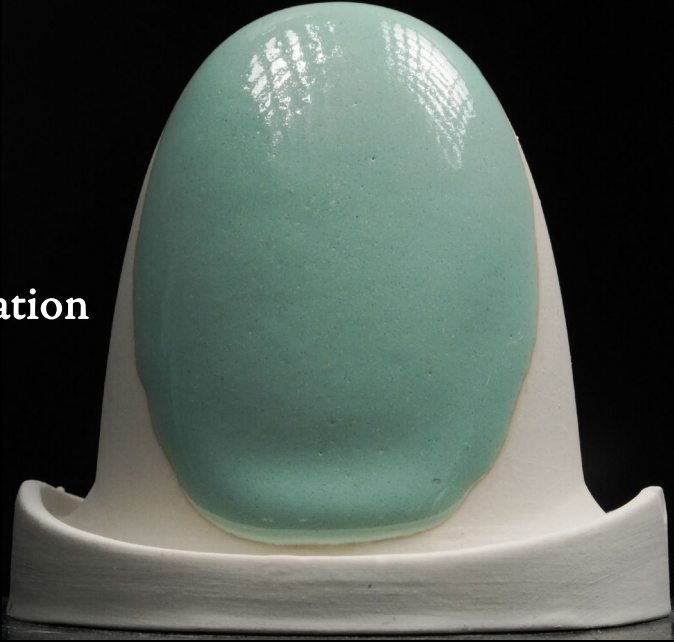
My Blue Heaven

Weight Substitution
Mahavir Feldspar
062622-7

Mahavir	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

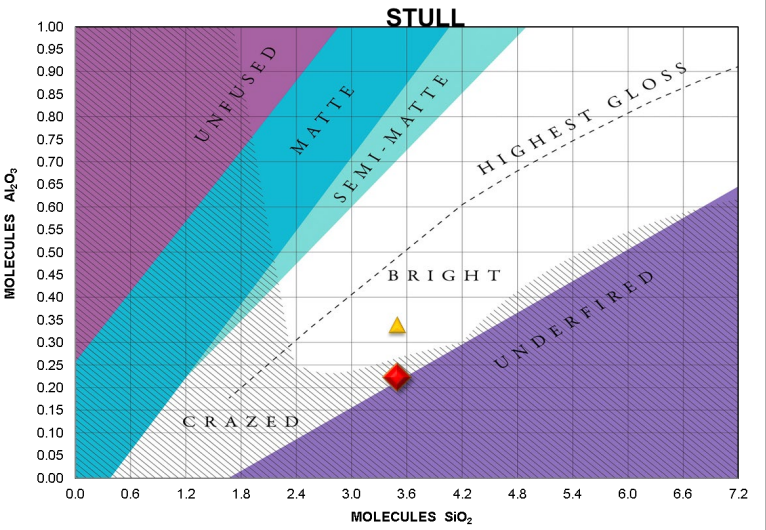


Oxidation

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 15.63 :1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 3.79	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.06	K ₂ O 0.14	MgO 0.01	CaO 0.78
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO	SrO	BaO
TiO ₂	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 10.28 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 3.50	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.06	K ₂ O 0.13	MgO 0.01	CaO 0.72
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.12	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

My Blue Heaven

Weight Substitution
Custer Feldspar
062622-8

Custer	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	110



1-3 Second Dip



2-3 Second Dips

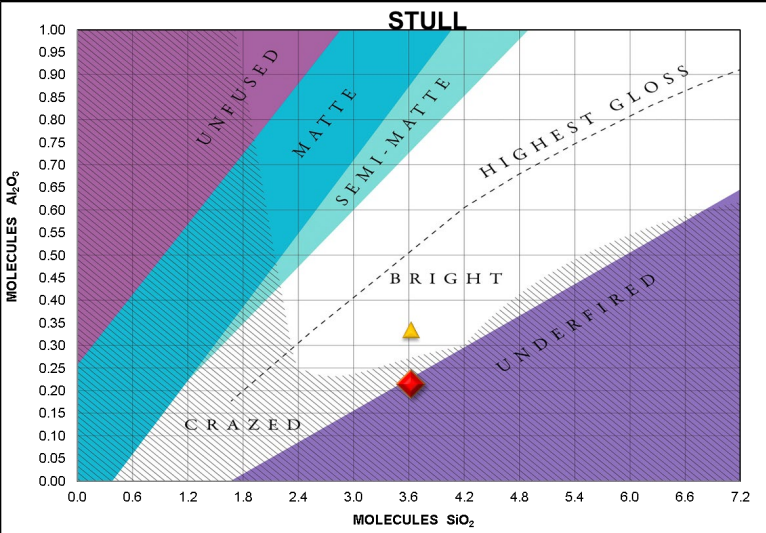


Oxidation

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 16.72 :1		Alkali Metals 0.18		Alkaline Earths 0.82	
SiO ₂ 3.94	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.04	K ₂ O 0.13	MgO 0.01	CaO 0.81
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO	SrO	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 10.79 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.62	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.04	K ₂ O 0.12	MgO 0.01	CaO 0.74
B ₂ O ₃	Al ₂ O ₃ 0.21	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.12	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

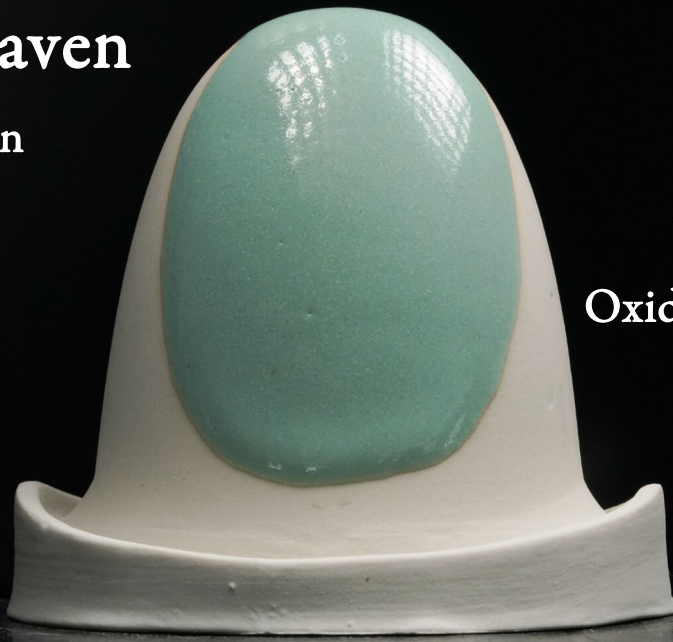


Ceramic
Materials
Workshop

My Blue Heaven

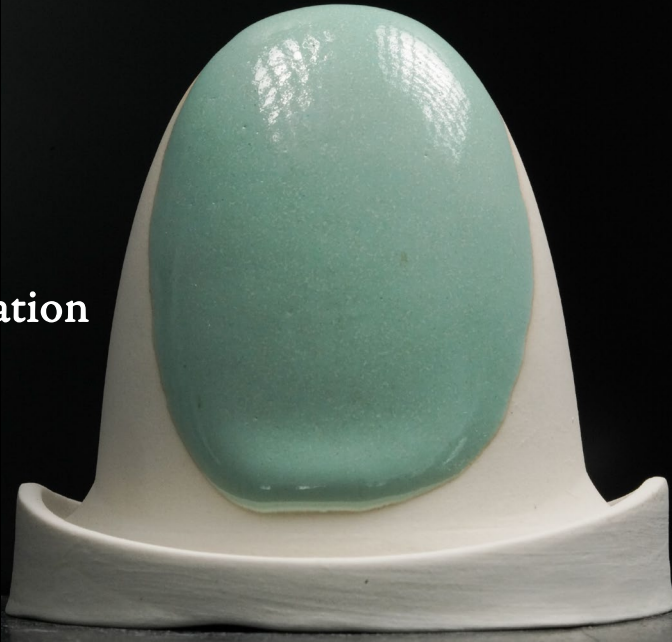
Weight Substitution
G200 EU Feldspar
062622-9

G200 EU	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60

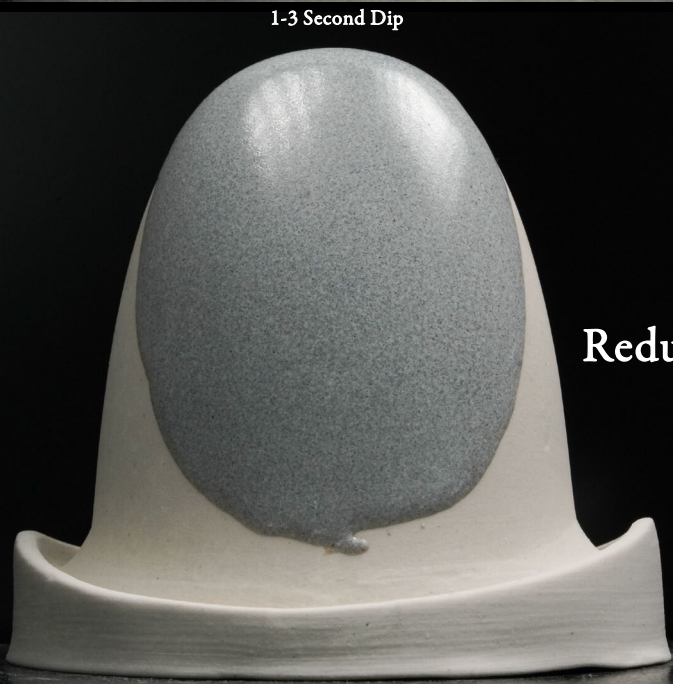


Oxidation

1-3 Second Dip



2-3 Second Dips

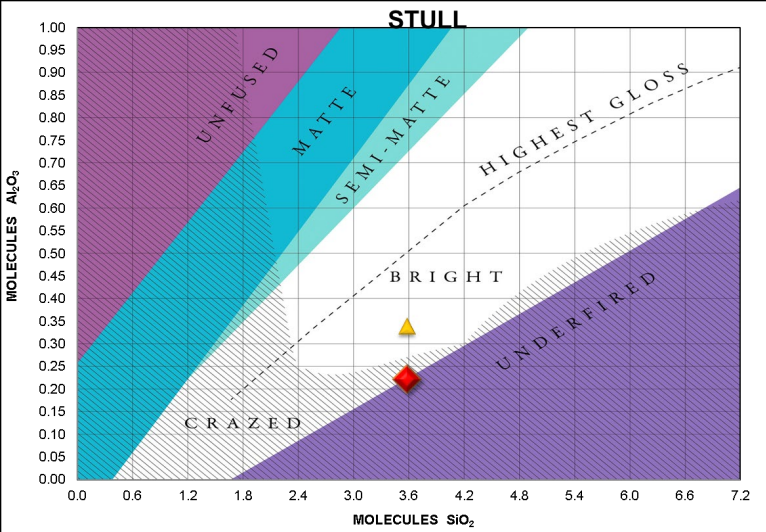


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 16.13 :1		Alkali Metals 0.18		Alkaline Earths 0.82	
SiO ₂ 3.89	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.04	K ₂ O 0.14	MgO 0.01	CaO 0.80
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO	SrO	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 10.52 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 3.58	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.04	K ₂ O 0.13	MgO 0.01	CaO 0.74
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.12	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

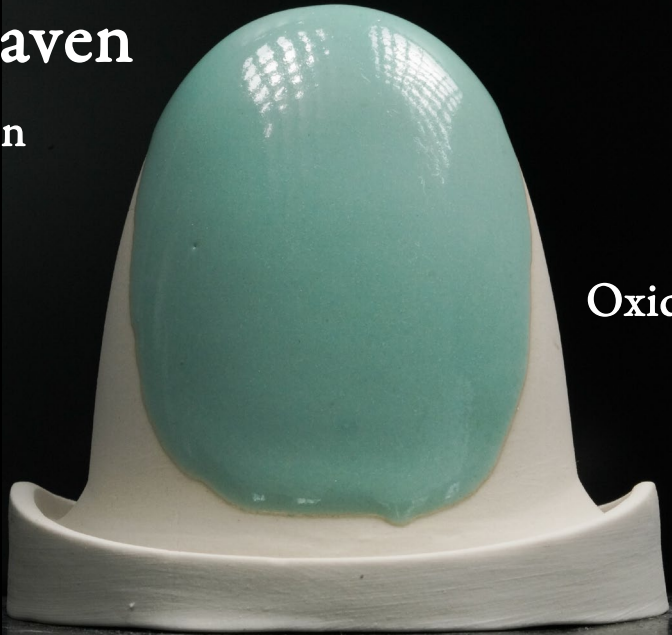


Ceramic
Materials
Workshop

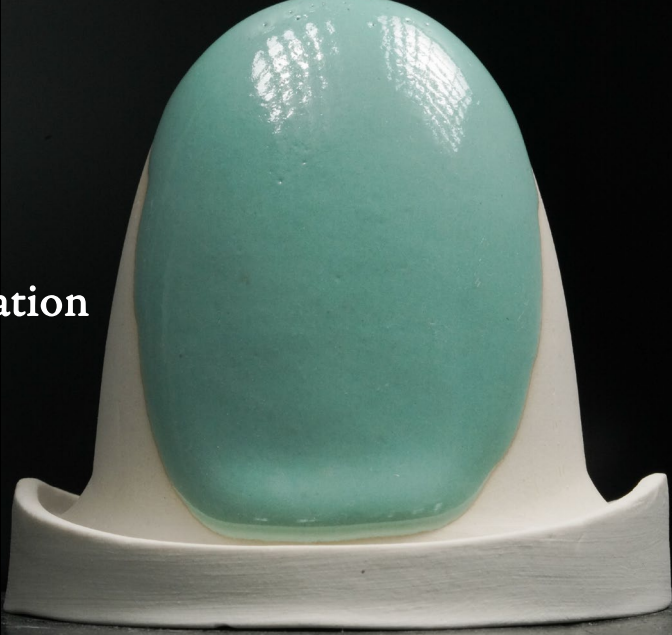
My Blue Heaven

Weight Substitution
Minspar Feldspar
062622-10

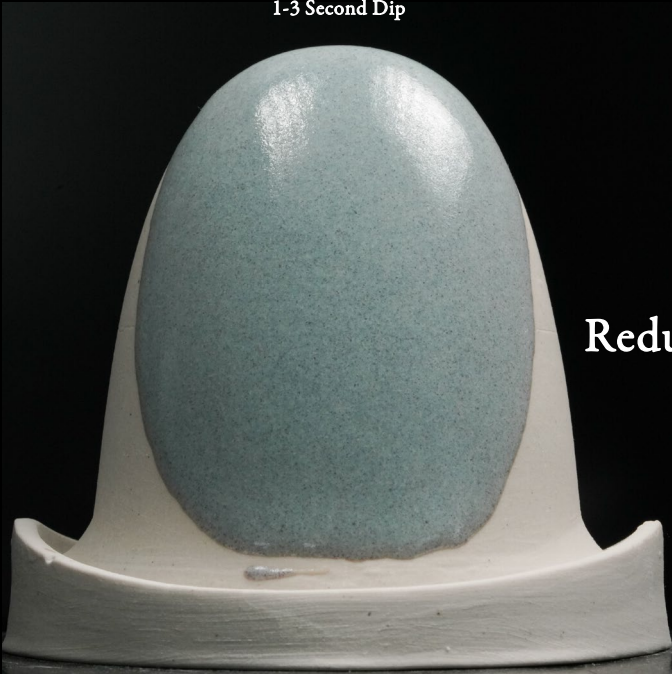
Minspar	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	100



1-3 Second Dip



2-3 Second Dips

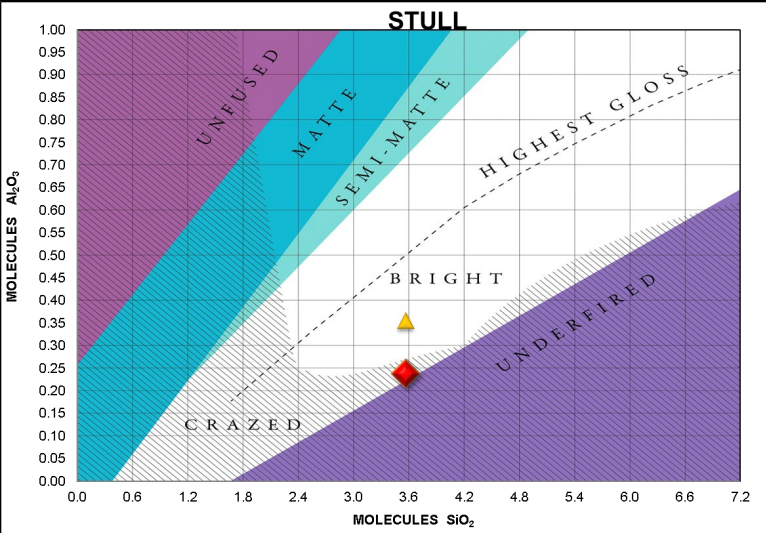


Oxidation

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 14.98 : 1		Alkali Metals 0.17		Alkaline Earths 0.83	
SiO ₂ 3.87	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.12	K ₂ O 0.05	MgO 0.01	CaO 0.82
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO 0.00	BaO 0.00
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 10.03 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.57	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.11	K ₂ O 0.05	MgO 0.00	CaO 0.75
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO 0.06	SrO 0.00	BaO 0.00
TiO ₂ 0.12	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
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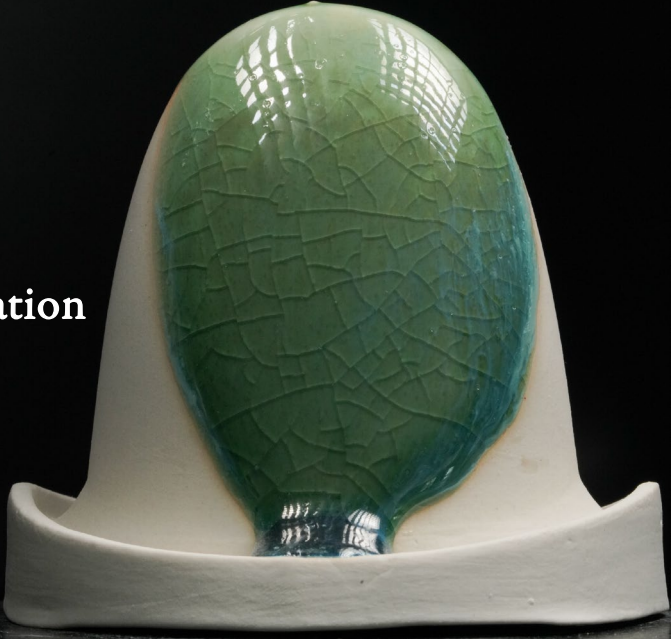
My Blue Heaven

Weight Substitution
Spodumene
062622-11

Spodumene	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



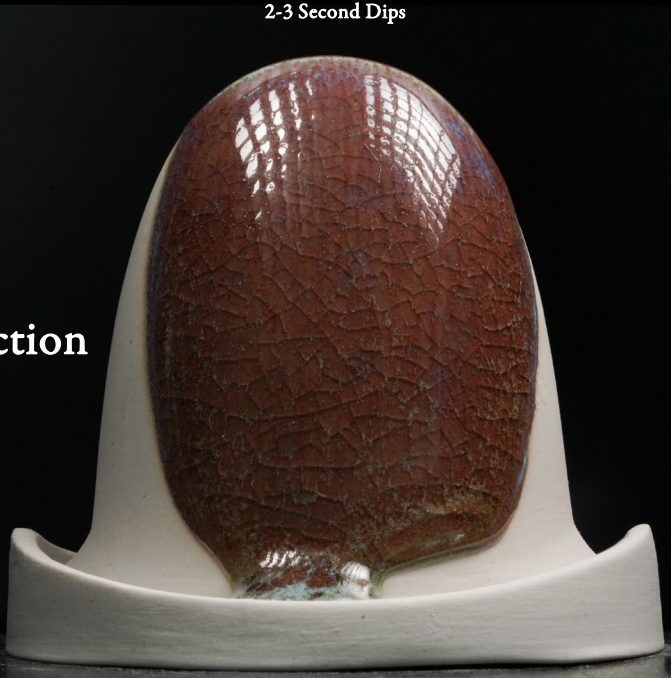
1-3 Second Dip



2-3 Second Dips



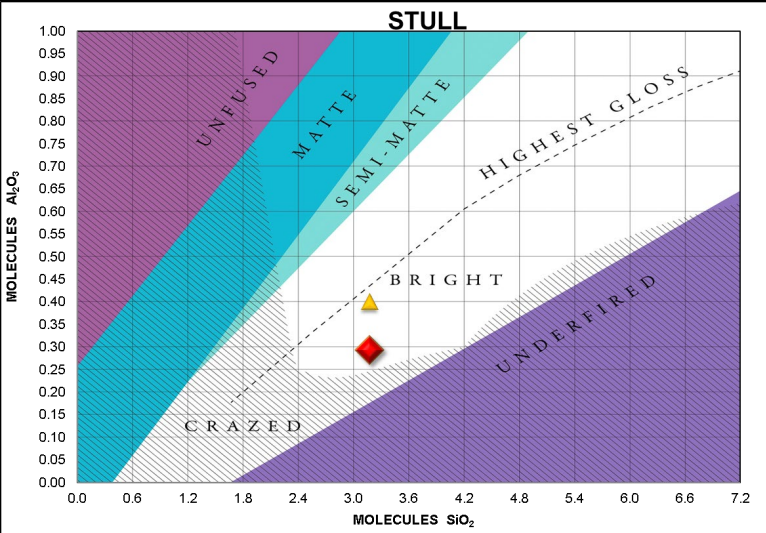
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 10.80 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 3.42	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.01	K ₂ O 0.00	MgO 0.00	CaO 0.71
B ₂ O ₃	Al ₂ O ₃ 0.32	Li ₂ O 0.27	CuO	SrO	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 7.92 :1		Alkali Metals 0.33		Alkaline Earths 0.67	
SiO ₂ 3.17	Collective "Al ₂ O ₃ " 0.40	Na ₂ O 0.01	K ₂ O 0.00	MgO 0.00	CaO 0.66
B ₂ O ₃	Al ₂ O ₃ 0.29	Li ₂ O 0.25	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
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My Blue Heaven

Weight Substitution
Frit 3110
062622-13

3110	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

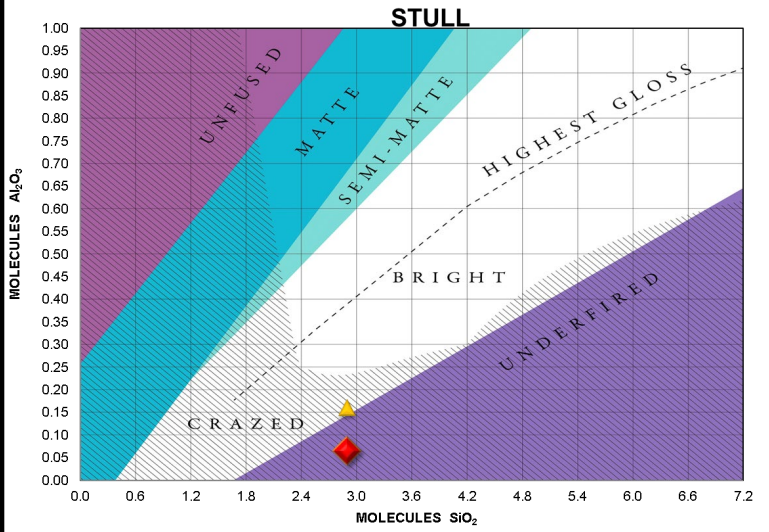


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 43.83 :1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 3.09	Collective "Al ₂ O ₃ " 0.07	Na ₂ O 0.24	K ₂ O 0.02	MgO 0.00	CaO 0.73
B ₂ O ₃ 0.03	Al ₂ O ₃ 0.07	Li ₂ O	CuO	SrO	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 17.94 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 2.90	Collective "Al ₂ O ₃ " 0.16	Na ₂ O 0.22	K ₂ O 0.02	MgO 0.00	CaO 0.69
B ₂ O ₃ 0.03	Al ₂ O ₃ 0.07	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

My Blue Heaven

Weight Substitution
Cornwall
062622-14

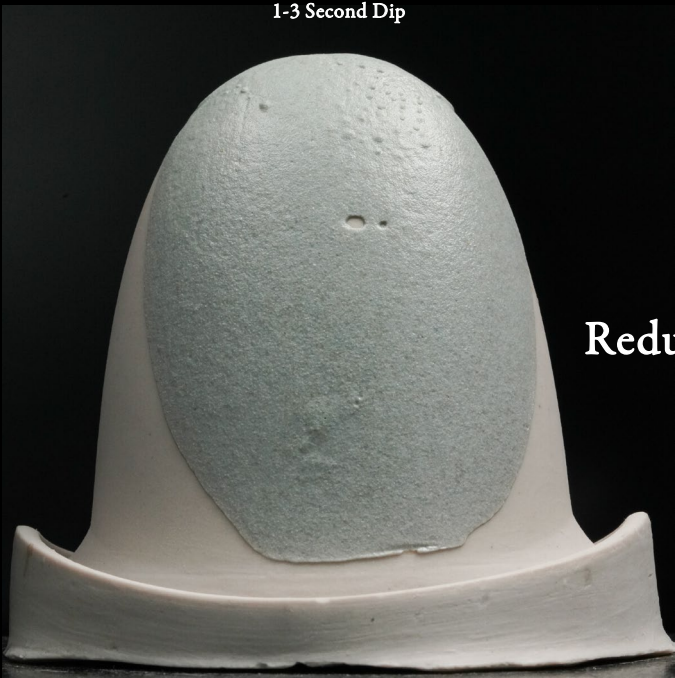
Cornwall	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	80



1-3 Second Dip



2-3 Second Dips

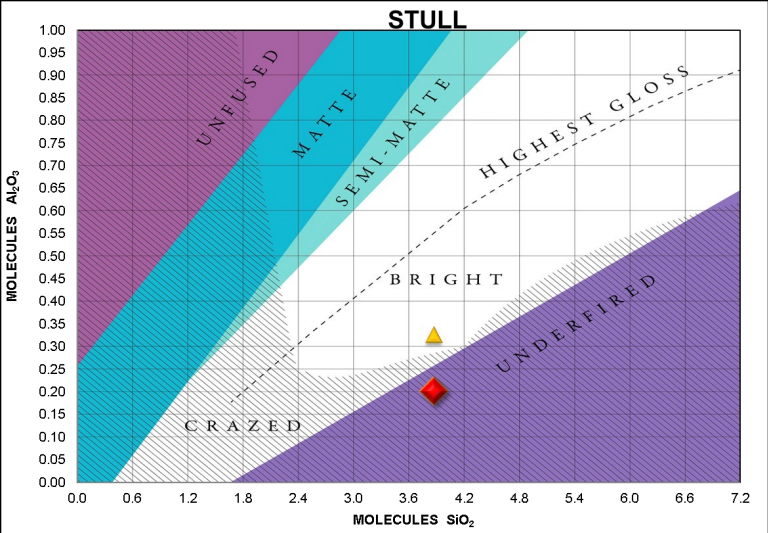


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 19.09 :1		Alkali Metals 0.11		Alkaline Earths 0.89	
SiO ₂ 4.23	Collective "Al ₂ O ₃ " 0.22	Na ₂ O 0.06	K ₂ O 0.05	MgO 0.01	CaO 0.87
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO	SrO	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 11.84 :1		Alkali Metals 0.19		Alkaline Earths 0.81	
SiO ₂ 3.87	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.06	K ₂ O 0.05	MgO 0.01	CaO 0.80
B ₂ O ₃	Al ₂ O ₃ 0.20	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.13	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

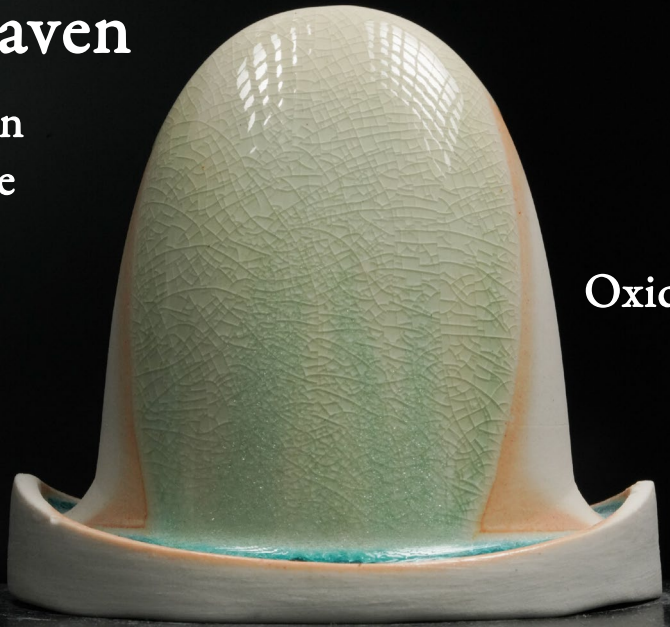


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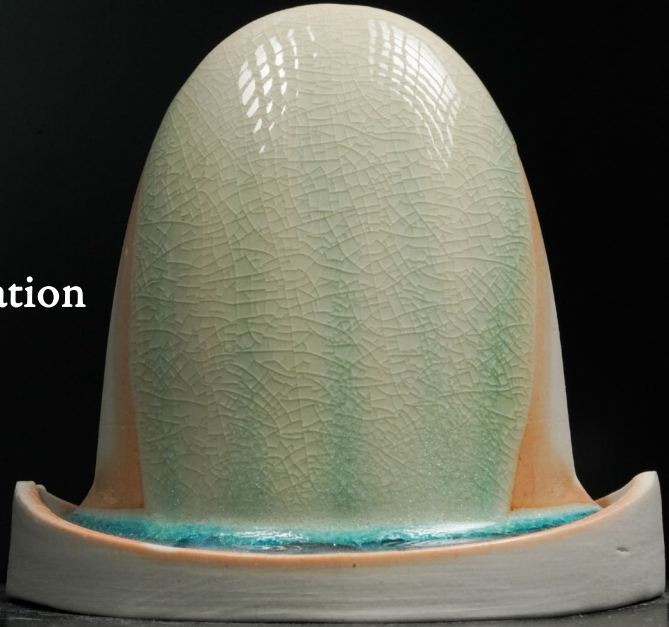
My Blue Heaven

Weight Substitution
Lithium Carbonite
062622-15

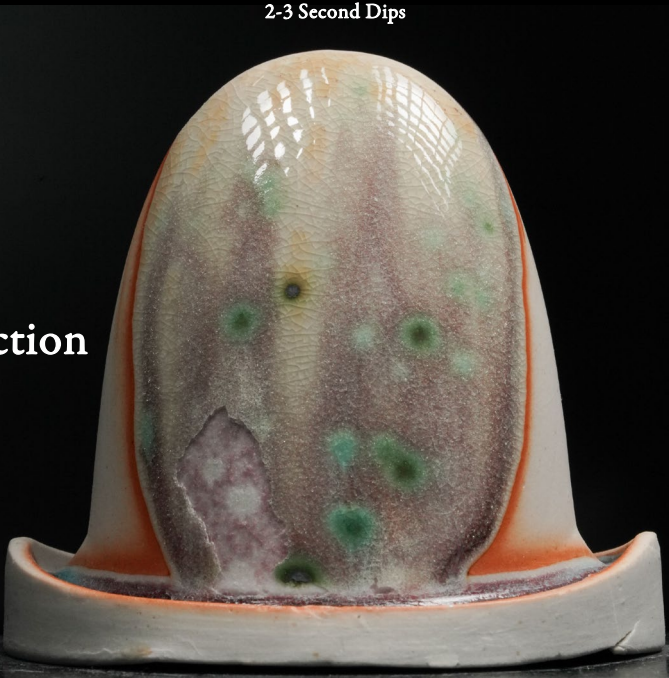
Lithium Carb	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

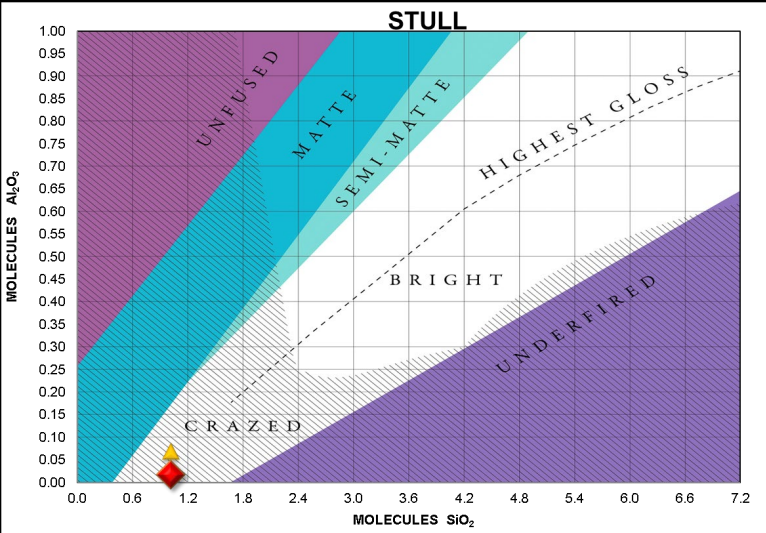


Oxidation

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 58.17 : 1		Alkali Metals 0.67		Alkaline Earths 0.33	
SiO ₂ 1.05	Collective "Al ₂ O ₃ " 0.02	Na ₂ O 0.00	K ₂ O 0.00	MgO 0.00	CaO 0.33
B ₂ O ₃	Al ₂ O ₃ 0.02	Li ₂ O 0.67	CuO	SrO	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 14.73 : 1		Alkali Metals 0.68		Alkaline Earths 0.32	
SiO ₂ 1.02	Collective "Al ₂ O ₃ " 0.07	Na ₂ O 0.00	K ₂ O 0.00	MgO 0.00	CaO 0.32
B ₂ O ₃	Al ₂ O ₃ 0.02	Li ₂ O 0.64	CuO 0.02	SrO	BaO
TiO ₂ 0.05	NiO	Bi ₂ O ₃	SnO ₂ 0.01	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Weight Substitution
Talc

062622-16

Neph Sy	33.10
Talc	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60

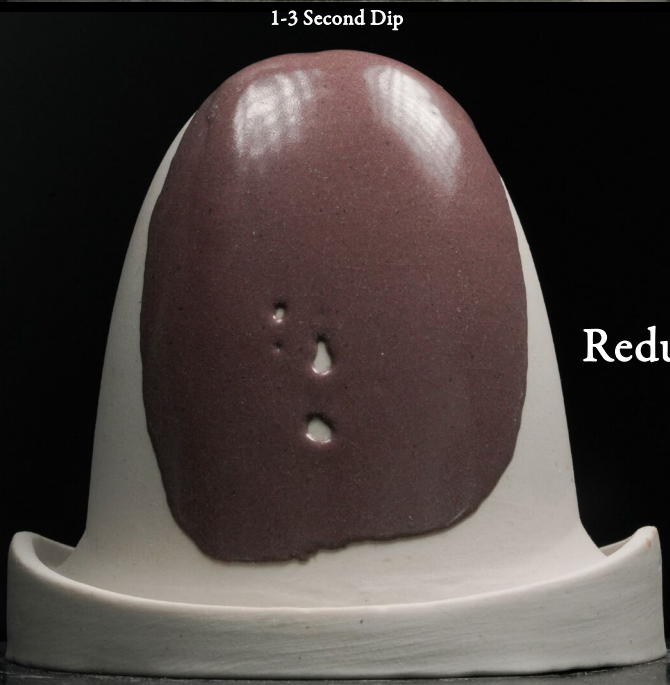


Oxidation

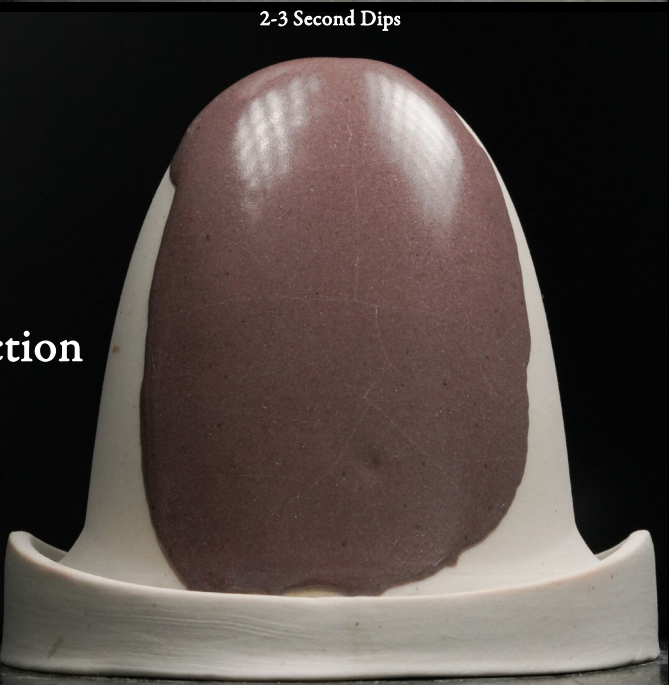


1-3 Second Dip

2-3 Second Dips

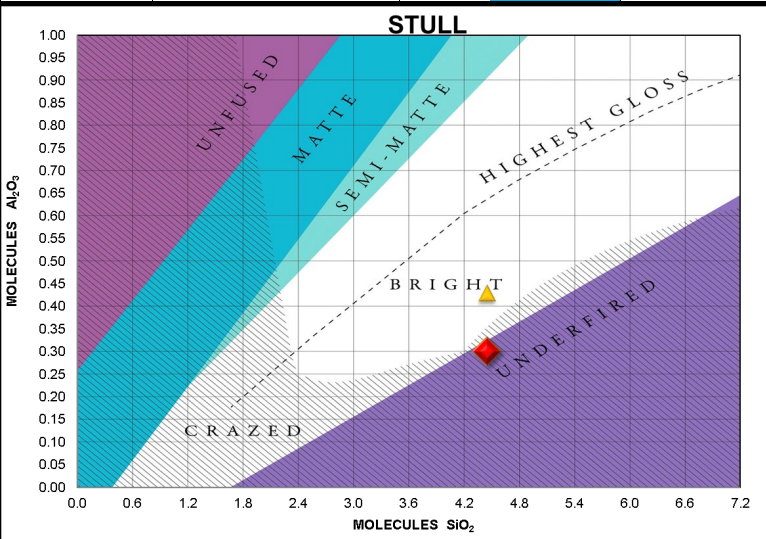


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 14.73 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 4.87	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.22	K ₂ O 0.06	MgO 0.64	CaO 0.06
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	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 10.34 :1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 4.45	Collective "Al ₂ O ₃ " 0.43	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.58	CaO 0.06
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.13	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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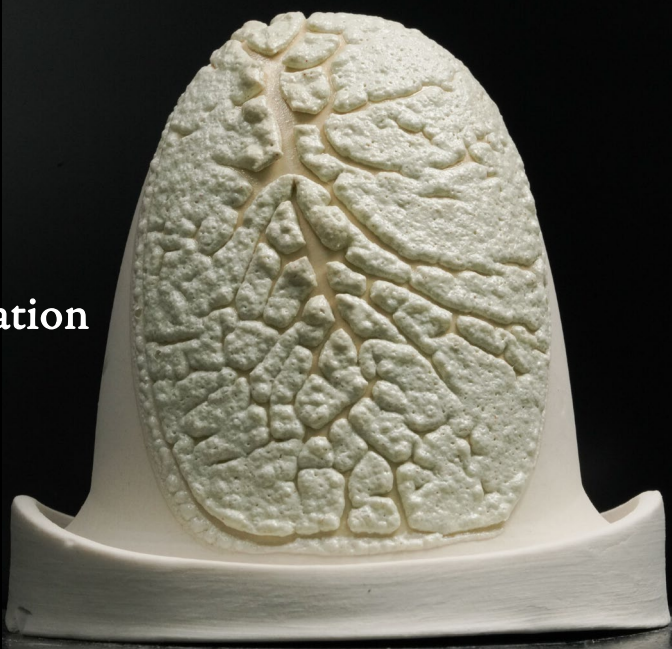
My Blue Heaven

Weight Substitution
Magnesium Carbonate
062622-17

Neph Sy	33.10
Mag Carb	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	160



1-3 Second Dip



2-3 Second Dips



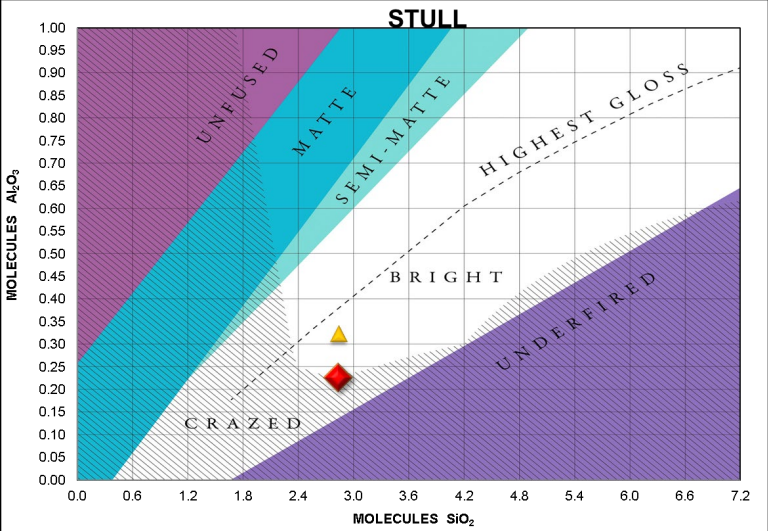
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.48 : 1		Alkali Metals 0.21		Alkaline Earths 0.79	
SiO ₂ 3.03	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.78	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO	SrO	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 8.74 : 1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 2.84	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.73	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.23	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

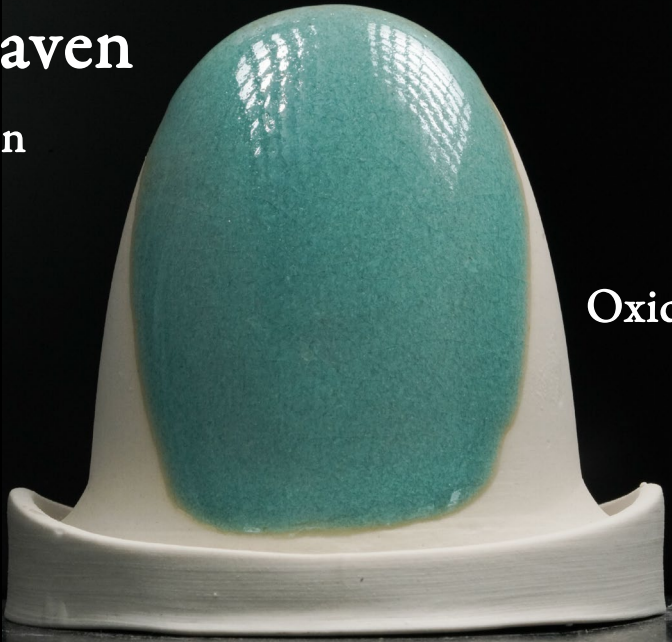


Ceramic
Materials
Workshop

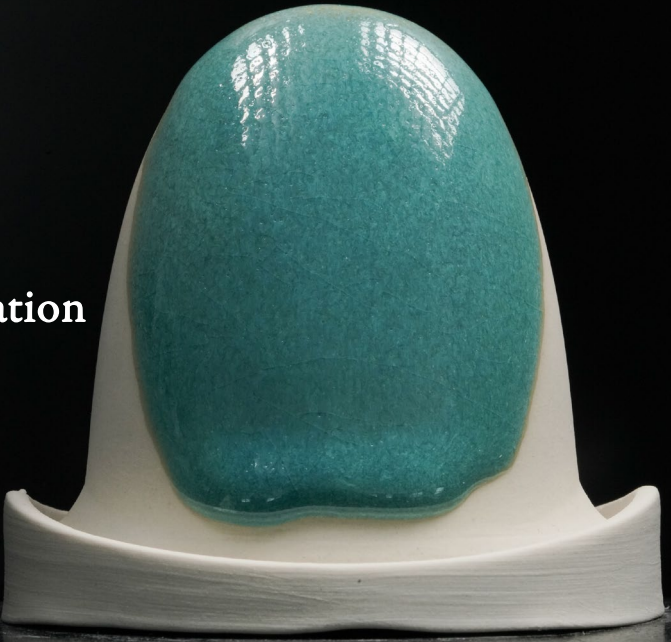
My Blue Heaven

Weight Substitution
Dolomite
062622-18

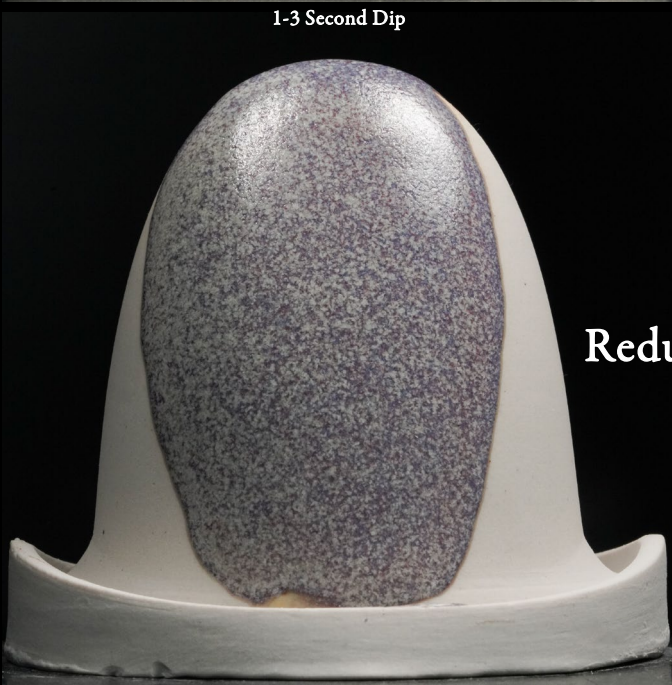
Neph Sy	33.10
Dolomite	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips



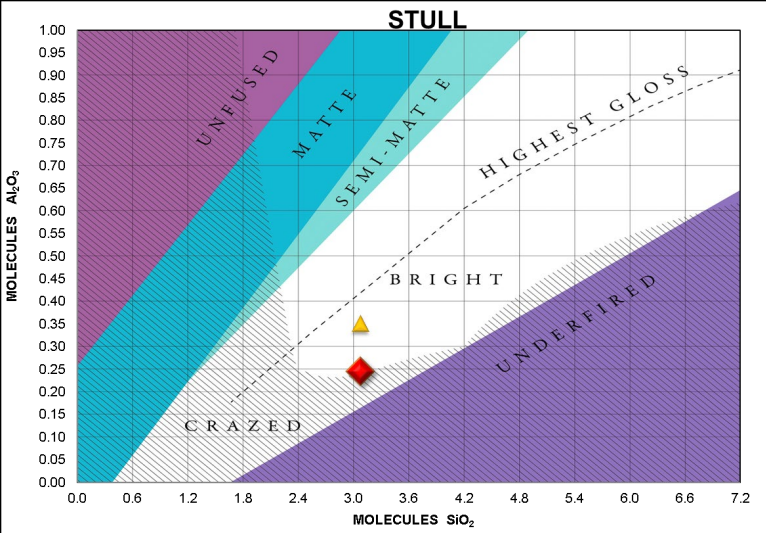
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.52 :1		Alkali Metals 0.23		Alkaline Earths 0.77	
SiO ₂ 3.31	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.38	CaO 0.39
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO	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 8.76 :1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 3.08	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.16	K ₂ O 0.05	MgO 0.36	CaO 0.36
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.11	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

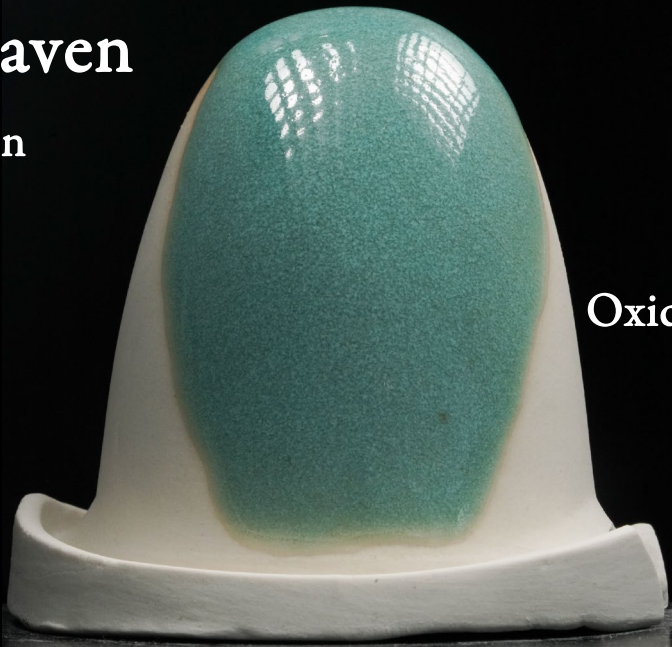


Ceramic
Materials
Workshop

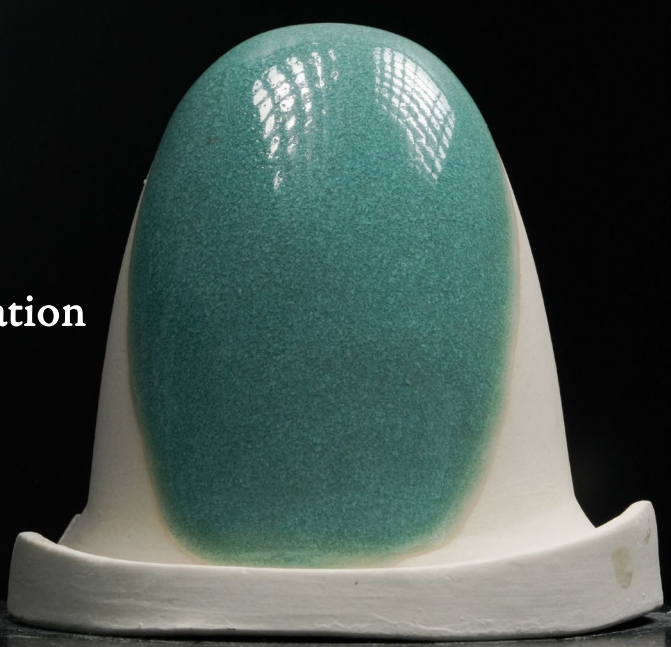
My Blue Heaven

Weight Substitution
Wollastonite
062622-19

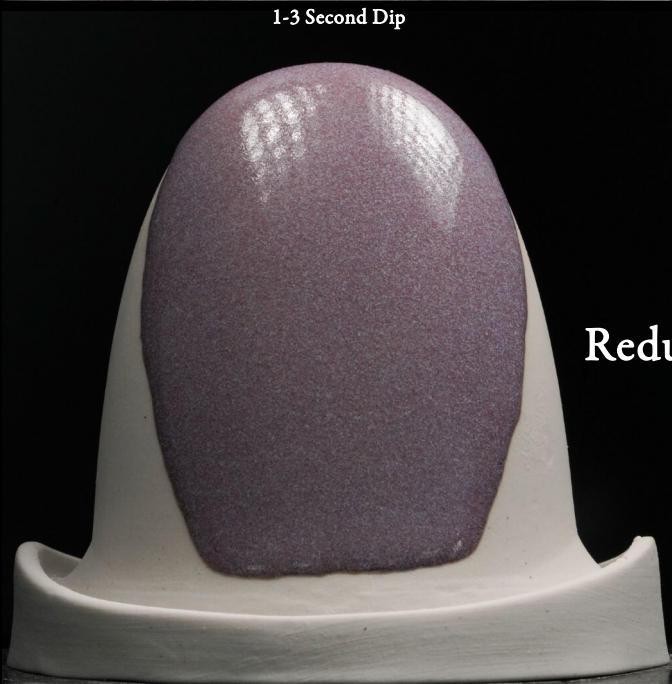
Neph Sy	33.10
Wollastonite	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

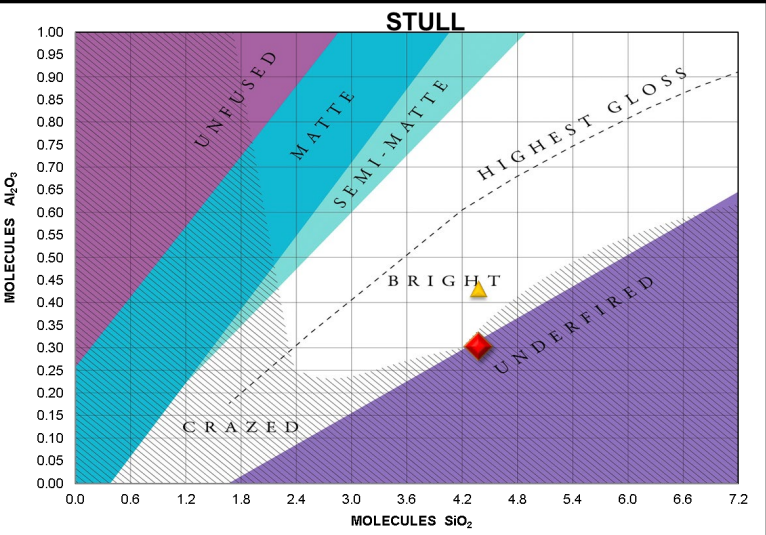


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 14.42 : 1		Alkali Metals 0.28		Alkaline Earths 0.72	
SiO ₂ 4.79	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.22	K ₂ O 0.06	MgO 0.03	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO	SrO	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 10.16 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 4.38	Collective "Al ₂ O ₃ " 0.43	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.03	CaO 0.62
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.13	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
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My Blue Heaven

Weight Substitution
Strontium Carbonate
062622-20

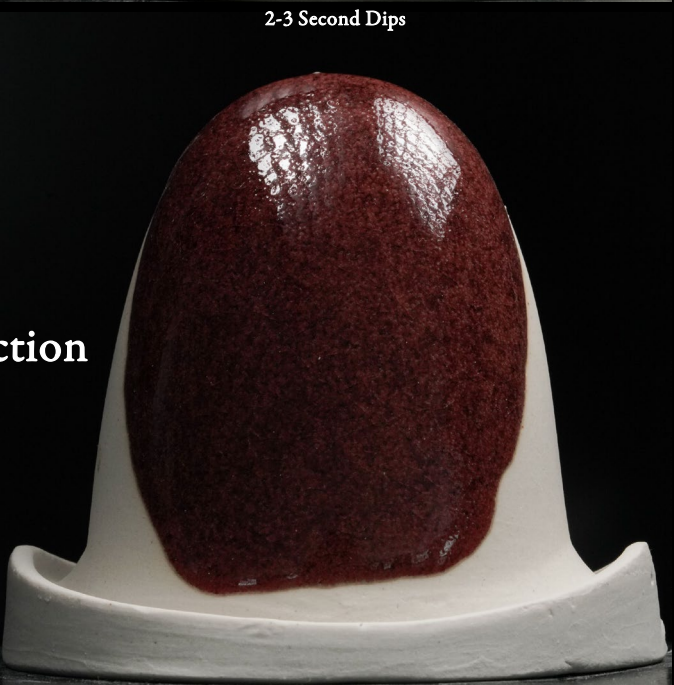
Neph Sy	33.10
Strontium Carb	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

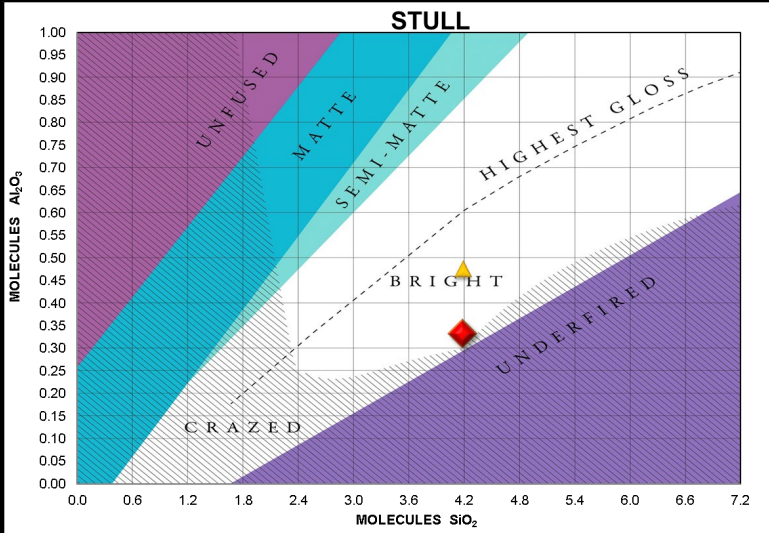


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.52 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 4.63	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.25	K ₂ O 0.07	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.37	Li ₂ O	CuO	SrO 0.66	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 8.76 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 4.18	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.22	K ₂ O 0.06	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO 0.07	SrO 0.60	BaO
TiO ₂ 0.14	NiO	Bi ₂ O ₃	SnO ₂ 0.03	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
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Weight Substitution
Barium Carbonate
062622-21

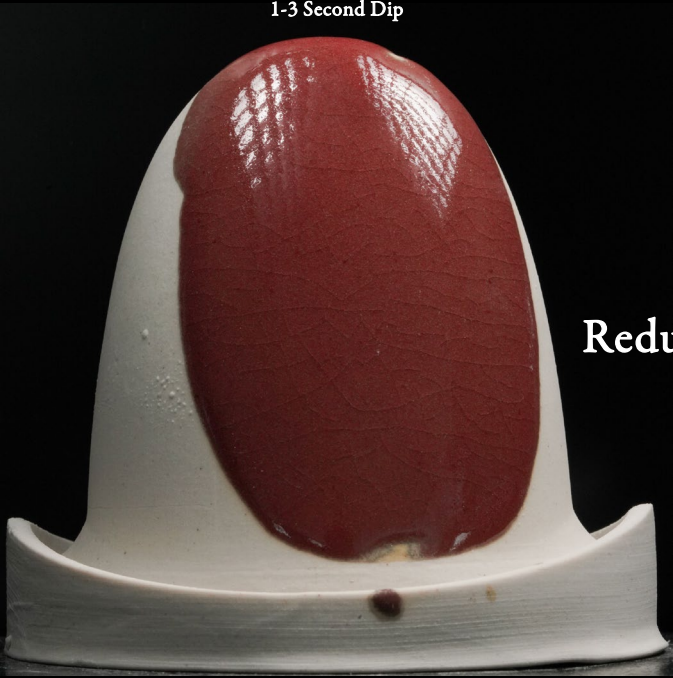
Neph Sy	33.10
Barium Carb	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



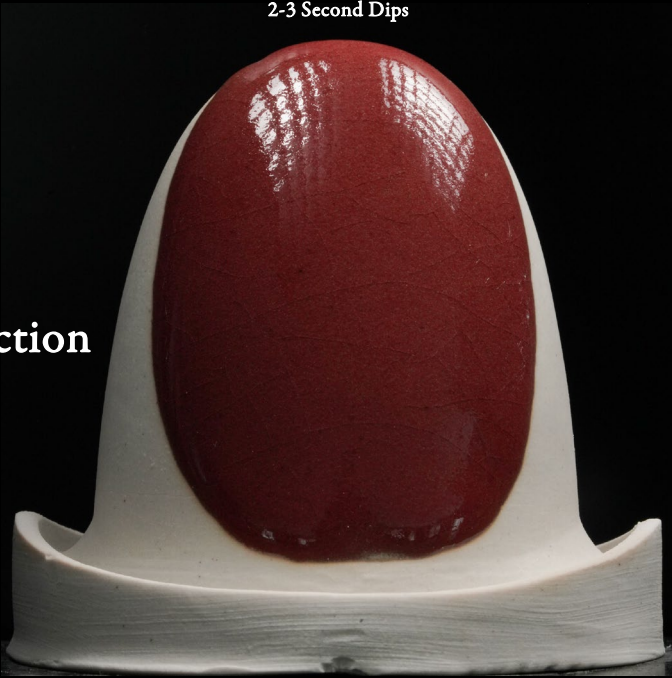
1-3 Second Dip



2-3 Second Dips



Reduction

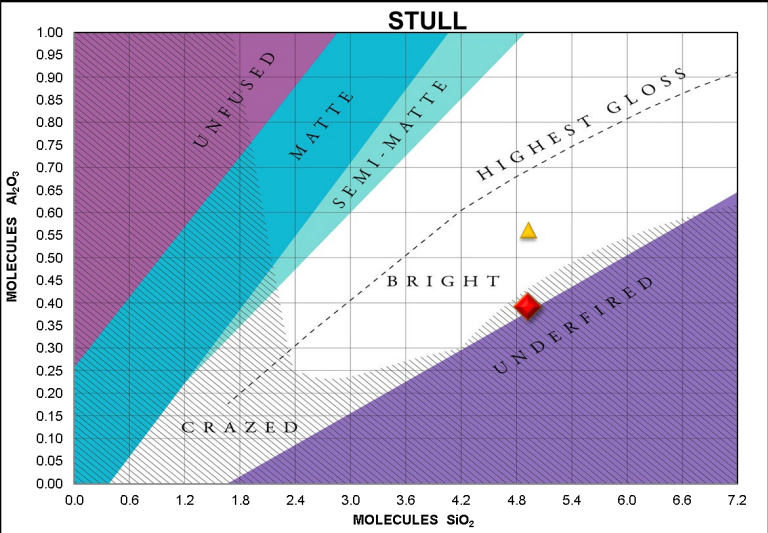


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.52 : 1		Alkali Metals 0.38		Alkaline Earths 0.62	
SiO ₂ 5.55	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.30	K ₂ O 0.08	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.44	Li ₂ O	CuO	SrO	BaO 0.59
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 8.76 : 1		Alkali Metals 0.45		Alkaline Earths 0.55	
SiO ₂ 4.93	Collective "Al ₂ O ₃ " 0.56	Na ₂ O 0.26	K ₂ O 0.07	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.39	Li ₂ O	CuO 0.08	SrO	BaO 0.53
TiO ₂ 0.17	NiO	Bi ₂ O ₃	SnO ₂ 0.03	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
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Weight Substitution
Zinc Oxide
062622-22

Neph Sy	33.10
Zinc Oxide	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	80



Oxidation

1-3 Second Dip



2-3 Second Dips

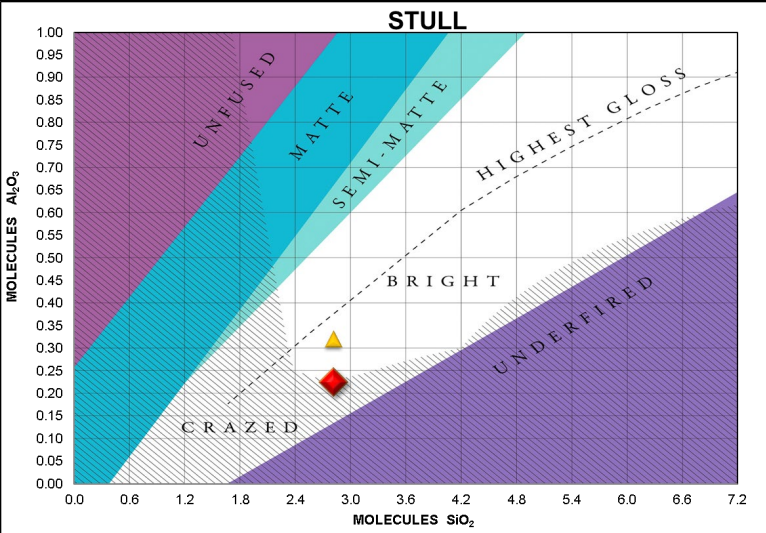


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.52 : 1		Alkali Metals 0.20		Alkaline Earths 0.80	
SiO ₂ 3.01	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.16	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.78	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.76 : 1		Alkali Metals 0.26		Alkaline Earths 0.74	
SiO ₂ 2.81	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.15	K ₂ O 0.04	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.22	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	NiO	Bi ₂ O ₃	SnO ₂ 0.02	ZnO 0.73	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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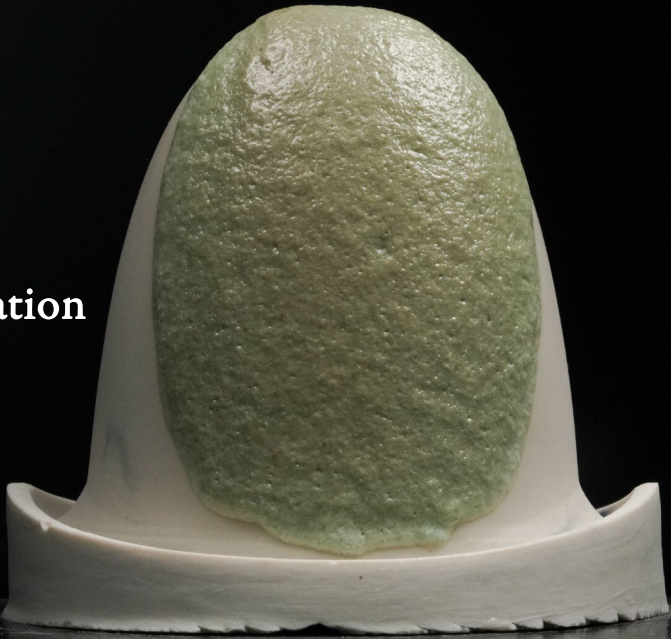
Weight Substitution
Bone Ash
062622-23

Neph Sy	33.10
Bone Ash	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60

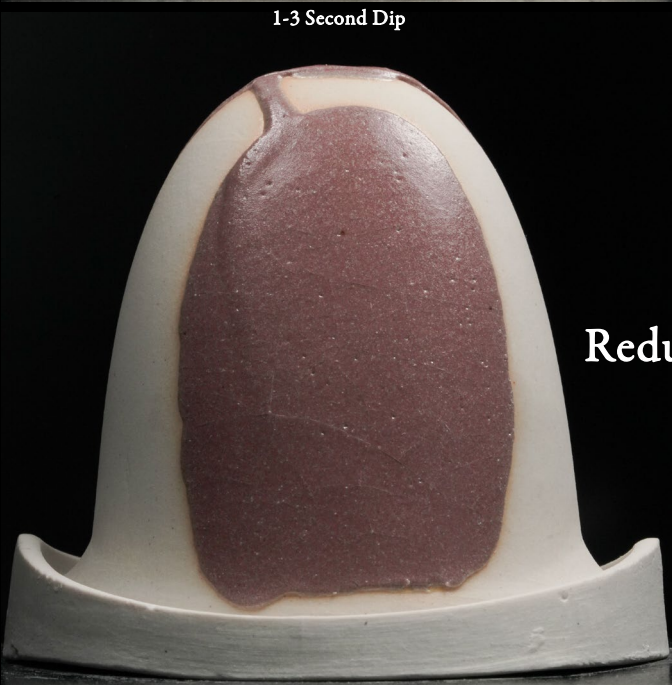


Oxidation

1-3 Second Dip



2-3 Second Dips

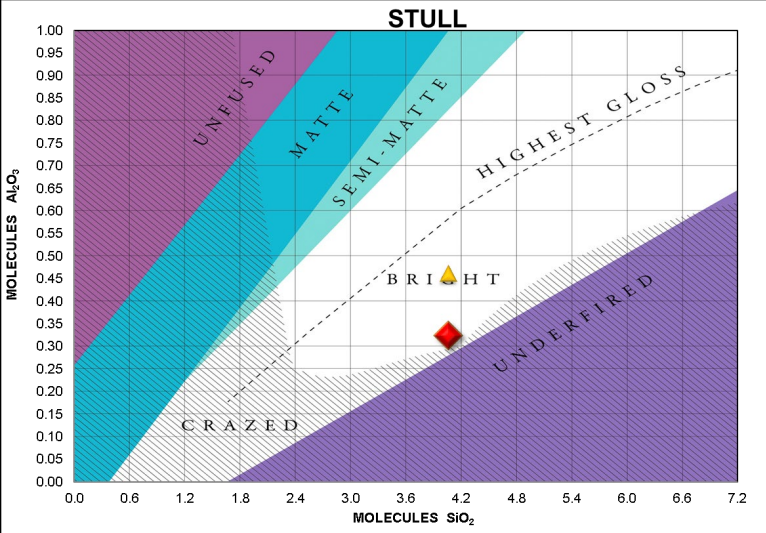


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.52 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 4.48	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.24	K ₂ O 0.07	MgO 0.01	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	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 0.37		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.77 :1		Alkali Metals 0.37		Alkaline Earths 0.63	
SiO ₂ 4.06	Collective "Al ₂ O ₃ " 0.46	Na ₂ O 0.22	K ₂ O 0.06	MgO 0.01	CaO 0.62
B ₂ O ₃	Al ₂ O ₃ 0.32	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.14	NiO	Bi ₂ O ₃	SnO ₂ 0.03	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅ 0.34		MnO ₂	CoO



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