

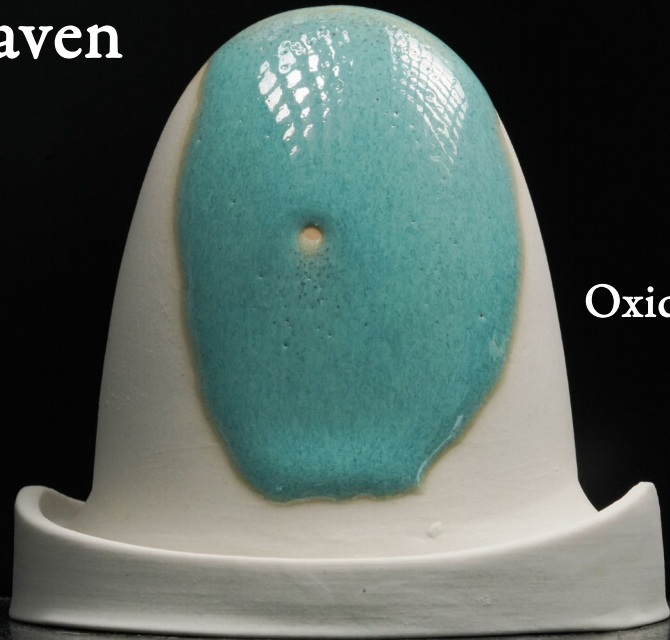
My Blue Heaven- Δ 10

Lab 4-Back to the 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

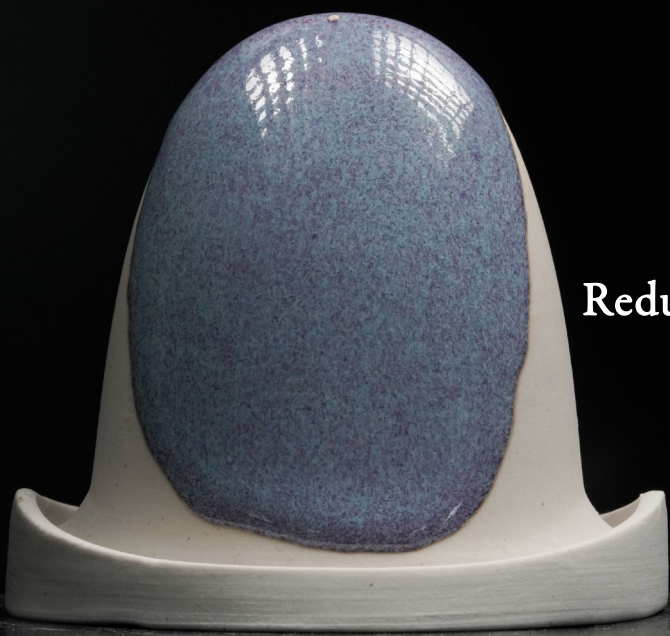


Oxidation

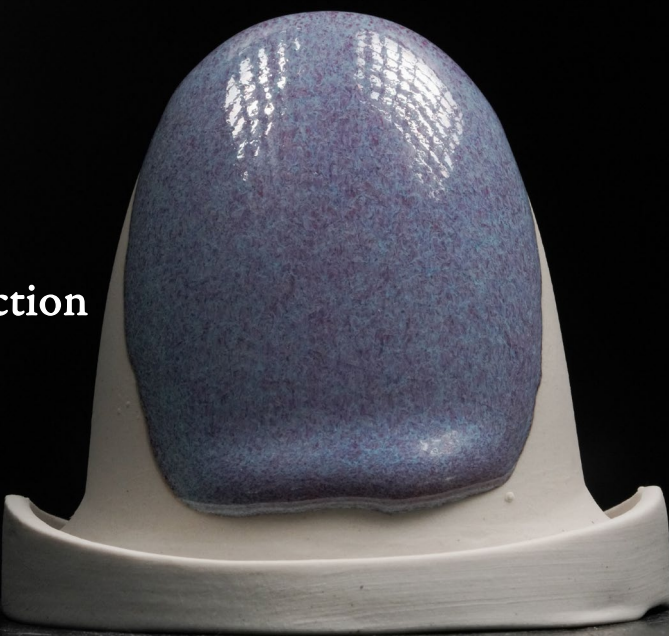
1-3 Second Dip



2-3 Second Dips

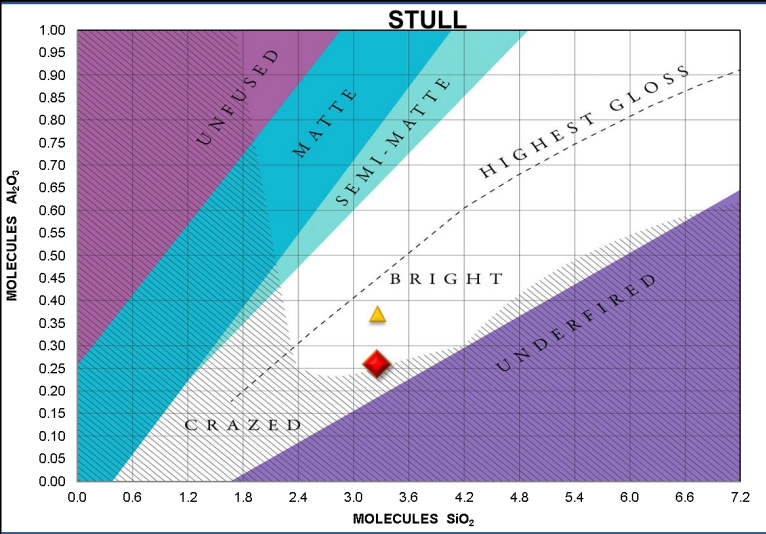


Reduction



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



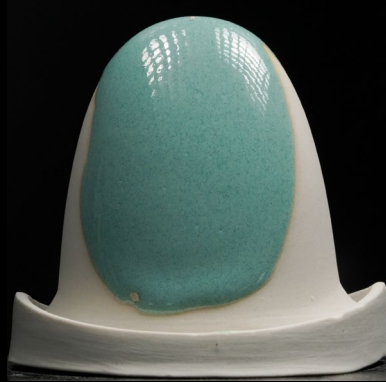
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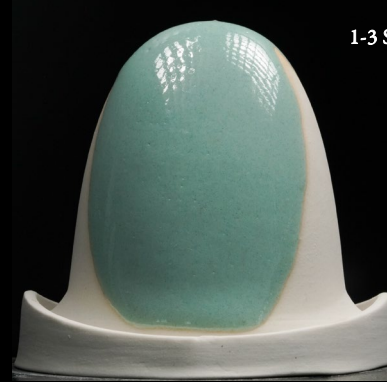
Lab 4-Alkali Metals-Oxidation



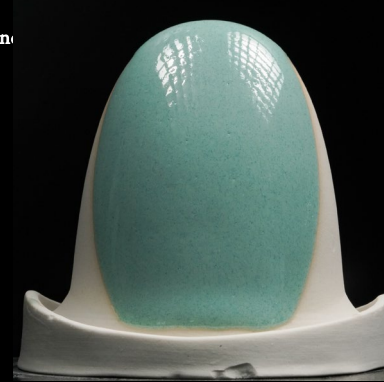
062622-1



062622-35



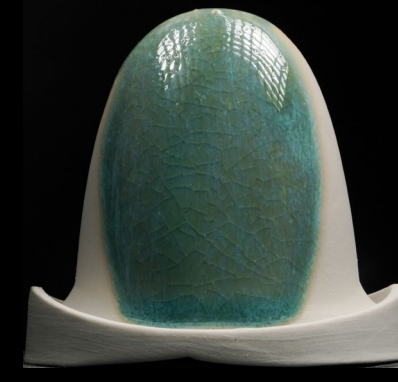
062622-36



062622-37



062622-X1



062622-38



Original (NS)



w/Mahavir



w/Custer



w/G200EU



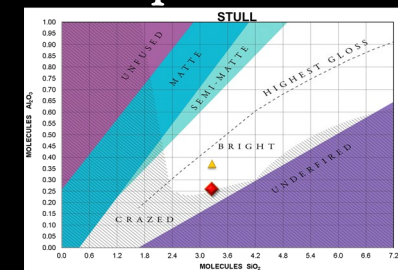
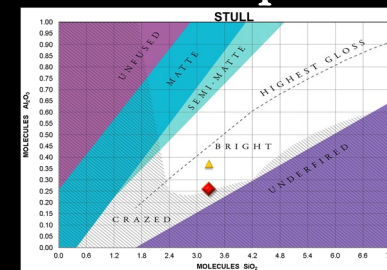
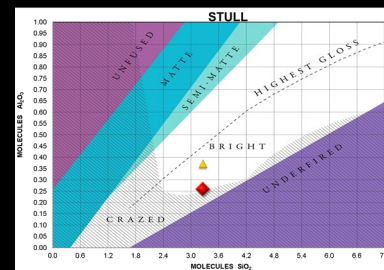
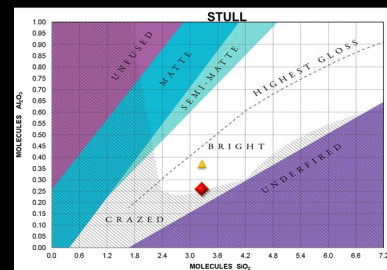
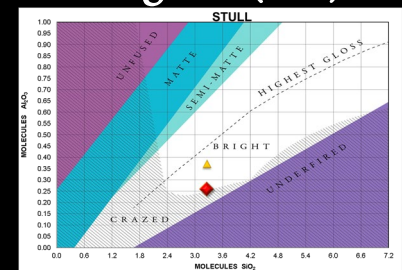
w/Minspar



w/Spodumene

1-3 Second

2-3 Second Dips



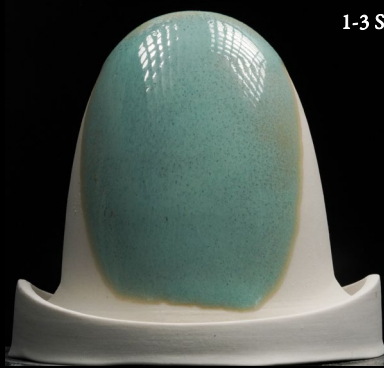
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Lab 4-Alkali Metals-Oxidation



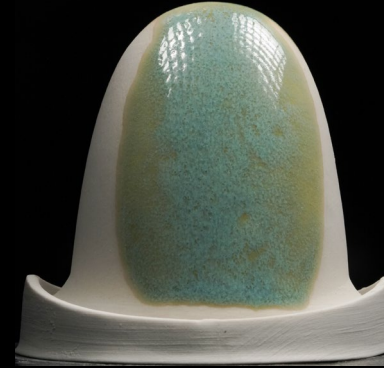
062622-1



062622-40



062622-41



062622-42

1-3 Second Dip



Original (NS)



w/Frit 3110

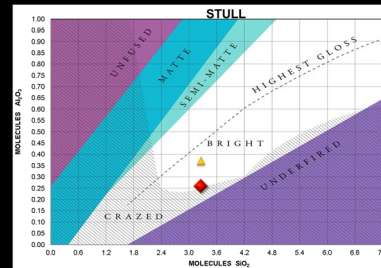
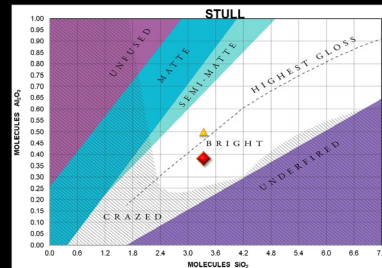
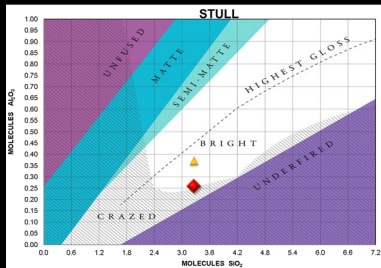
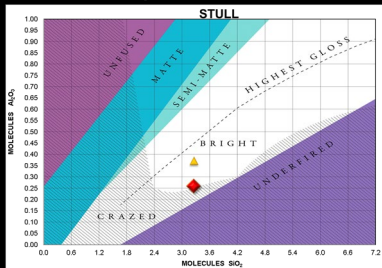


w/Cornwall



w/Lithium Carbonate

2-3 Second Dips



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Lab 4-Alkali Metals-Reduction



062622-1



062622-35



062622-36



062622-37



062622-X1



062622-38

1-3 Second Dip



Original (NS)



w/Mahavir



w/Custer



w/G200EU

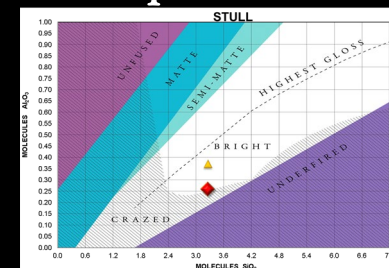
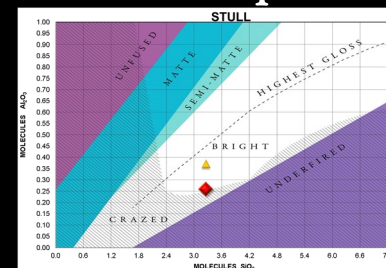
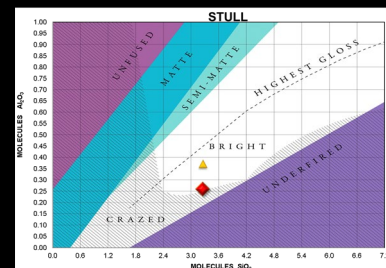
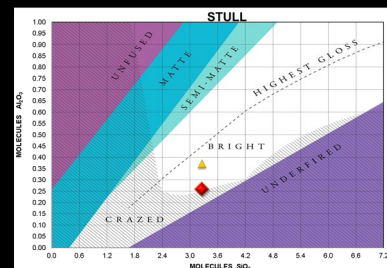
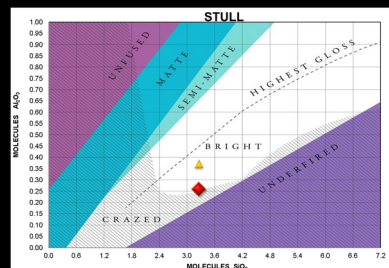
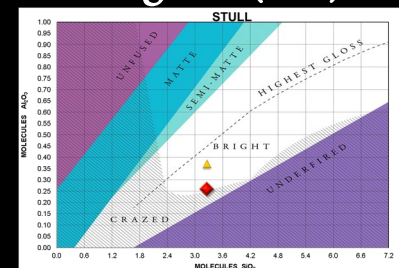


w/Minspar



w/Spodumene

2-3 Second Dips



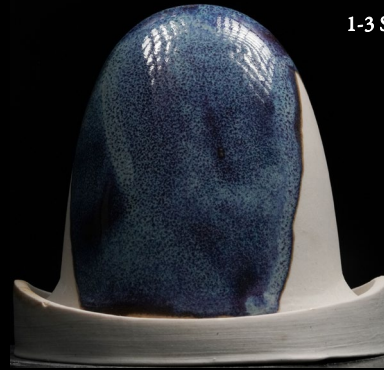
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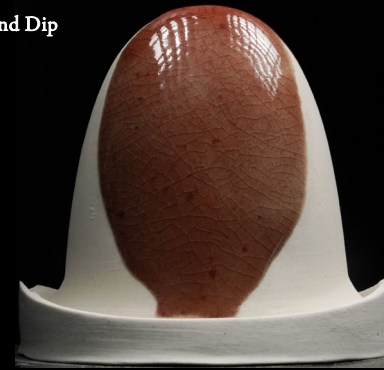
Lab 4-Alkali Metals-Reduction



062622-1



062622-40



062622-41



062622-42

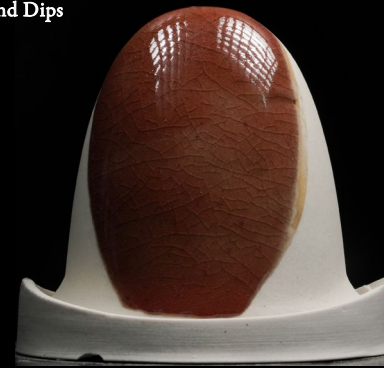
1-3 Second Dip



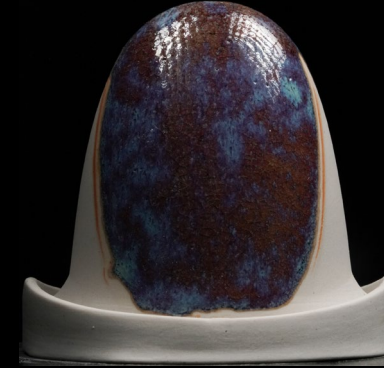
Original (NS)



w/Frit 3110

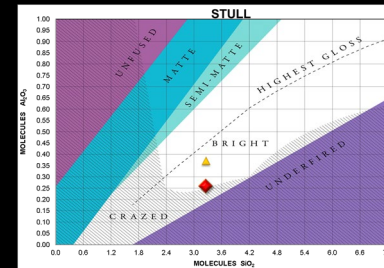
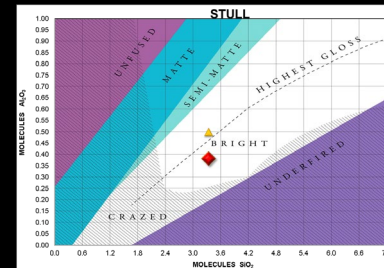
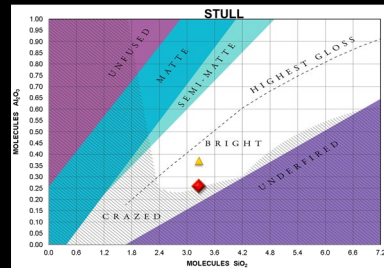
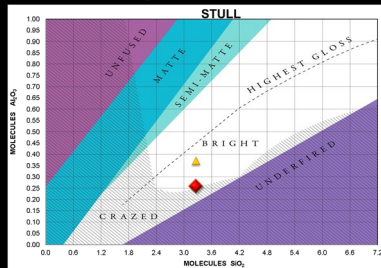


w/Cornwall



w/Lithium Carbonate

2-3 Second Dips



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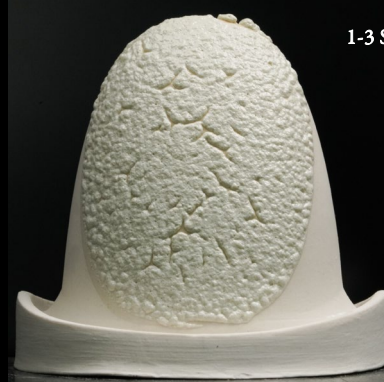
Lab 4-Alkaline Earths-Oxidation



062622-1

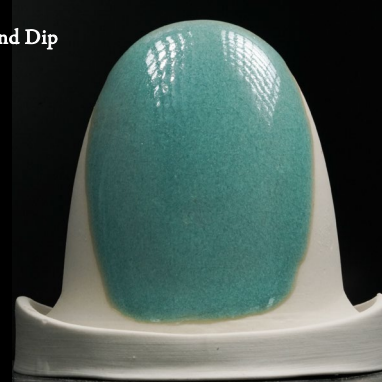


062626-43

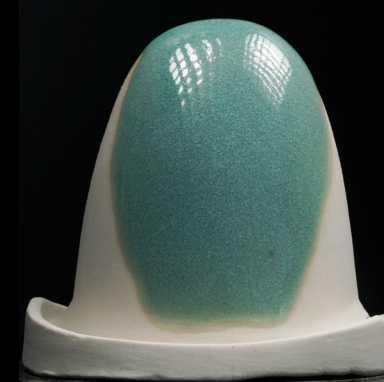


062622-44

1-3 Second Dip



062622-45



062622-46



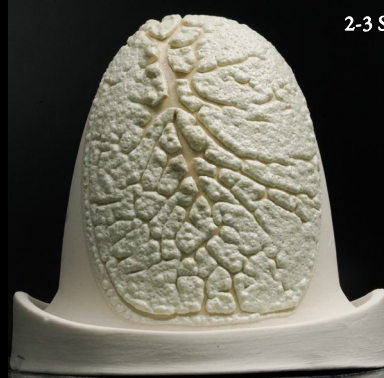
062622-47



Original (W)

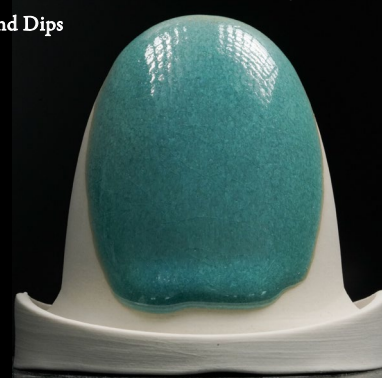


w/Talc

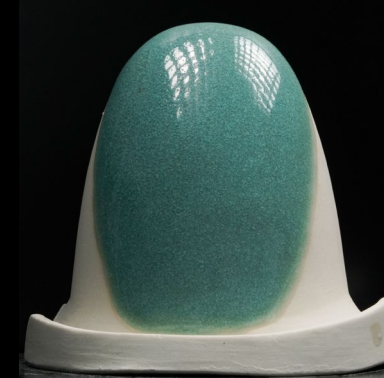


w/Mag Carb

2-3 Second Dips



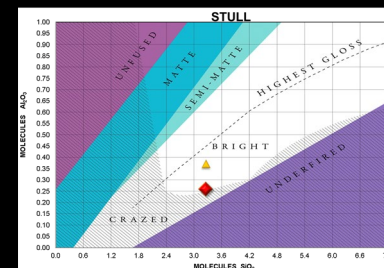
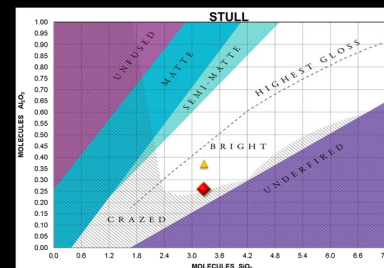
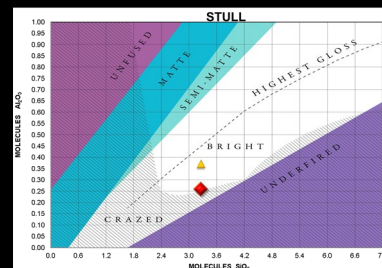
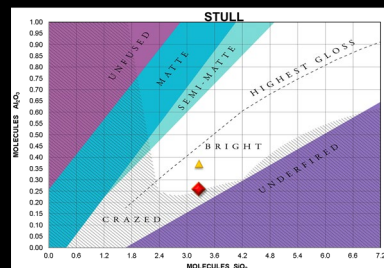
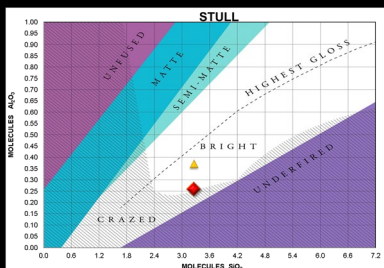
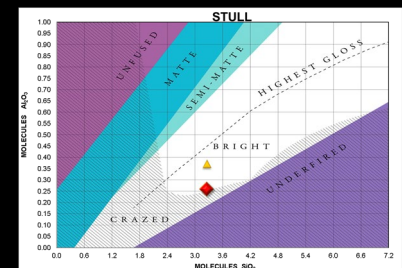
w/Dolomite



w/Wollastonite



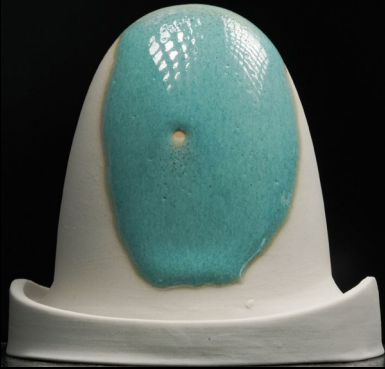
w/Strontium Carb



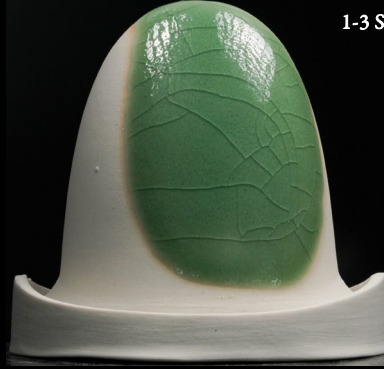
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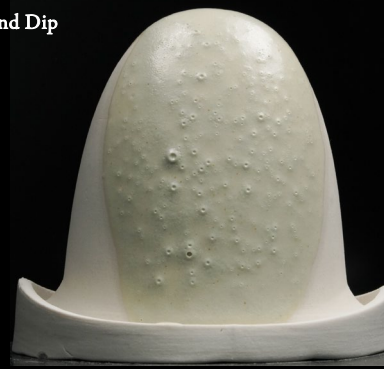
Lab 4-Alkaline Earths-Oxidation



062622-1



062622-48



062622-49



062622-50

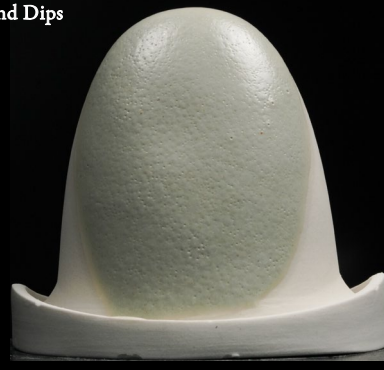
1-3 Second Dip



Original (W)



w/Barium Carb

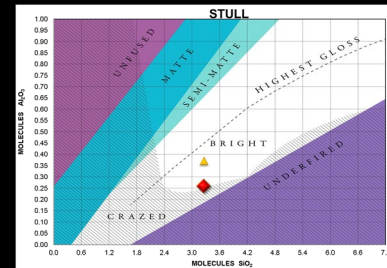
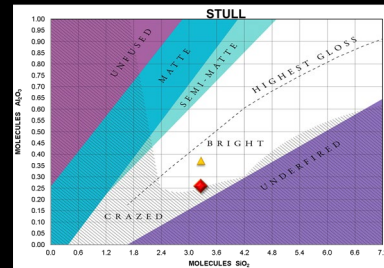
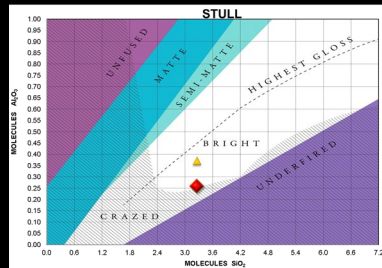
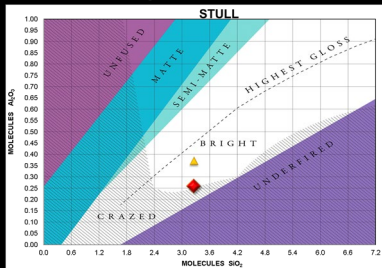


w/Zinc Oxide



w/Bone Ash

2-3 Second Dips

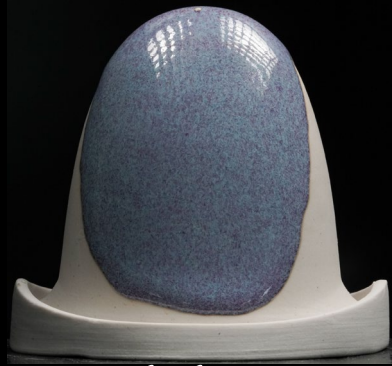


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Lab 4-Alkaline Earths-Reduction

1-3 Second Dip



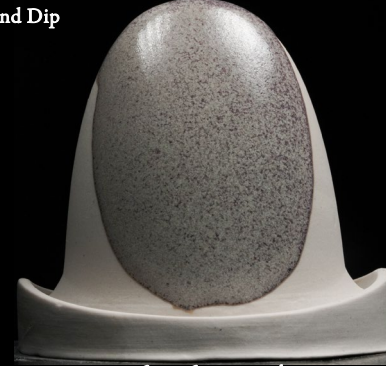
062622-1



062626-43



062622-44



062622-45



062622-46



062622-47

2-3 Second Dips



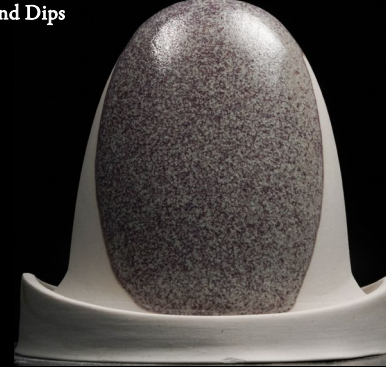
Original (W)



w/Talc



w/Mag Carb



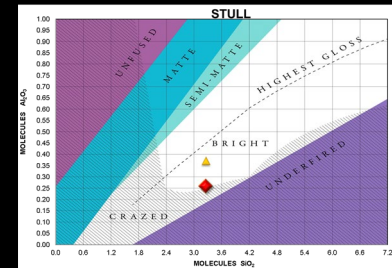
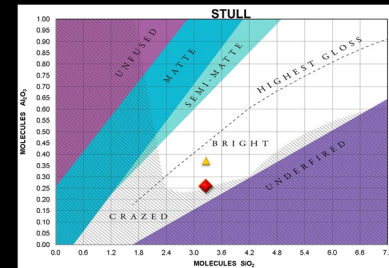
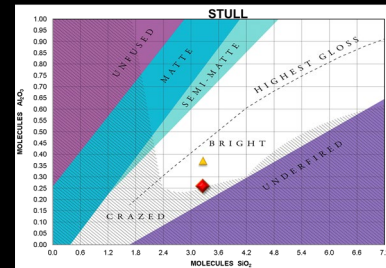
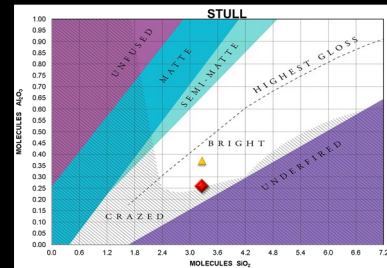
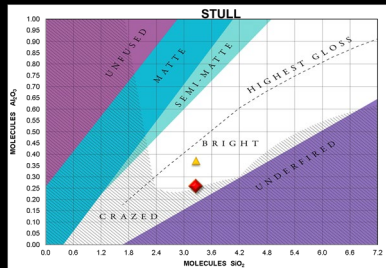
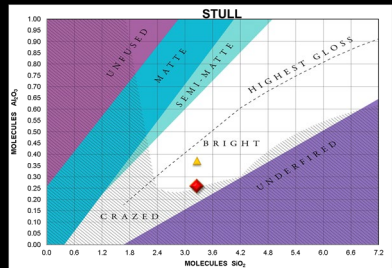
w/Dolomite



w/Wollastonite



w/Strontium Carb



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Lab 4-Alkaline Earths-Reduction



062622-1



062622-48



062622-49



062622-50

1-3 Second Dip



Original (W)



w/Barium Carb

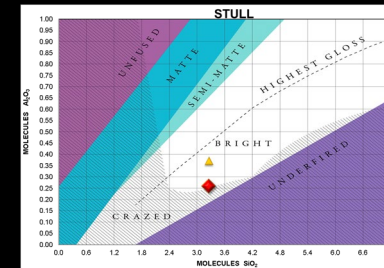
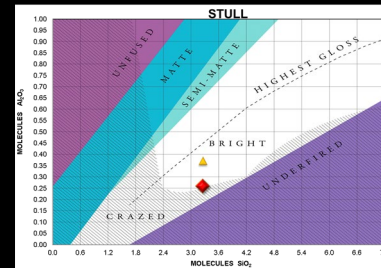
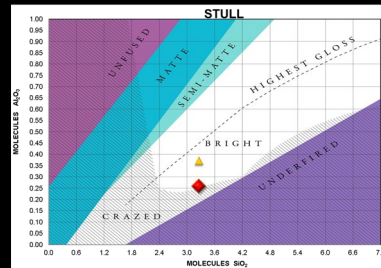
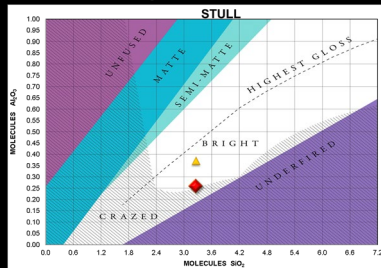


w/Zinc Oxide



w/Bone Ash

2-3 Second Dips



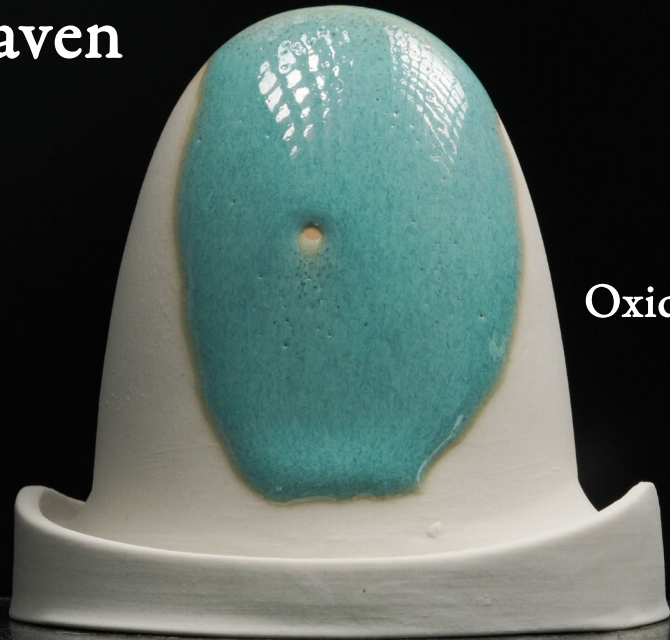
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My Blue Heaven

Original
062622-1

Neph Sy	33.10
Whiting	22.16
EPK	1.66
Flint	40.98
Bentonite	2.10
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Copper Carbonate	2.10
Tin Oxide	1.05
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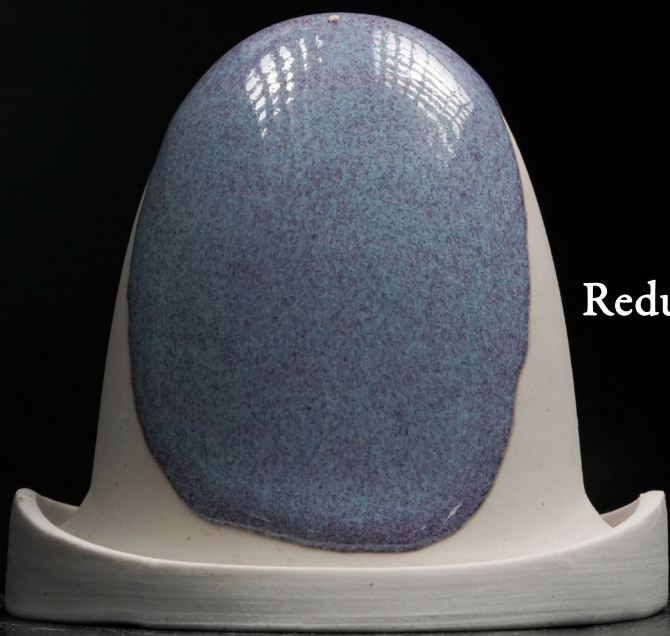


Oxidation

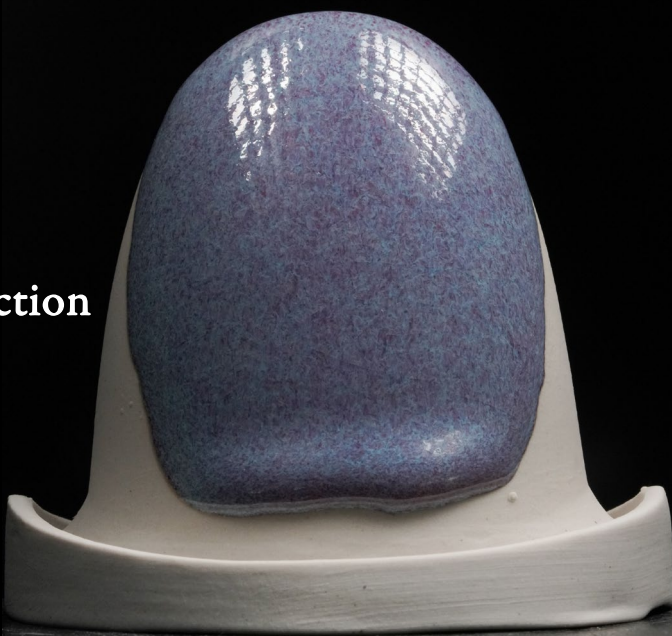
1-3 Second Dip



2-3 Second Dips

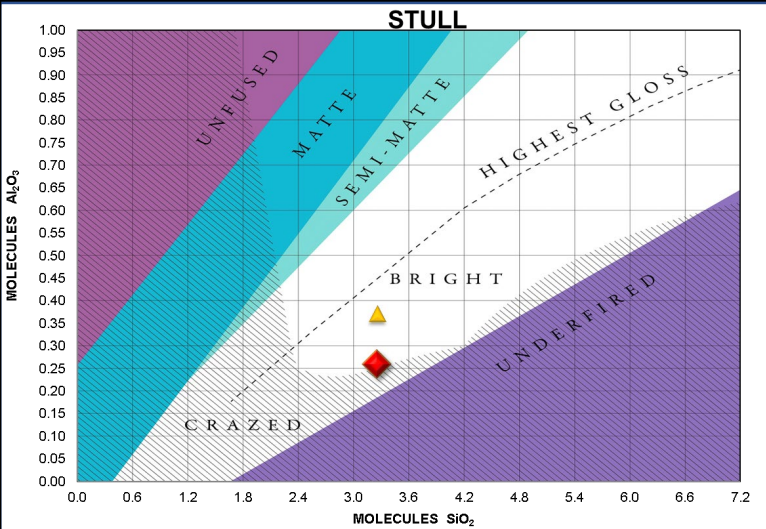


Reduction



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



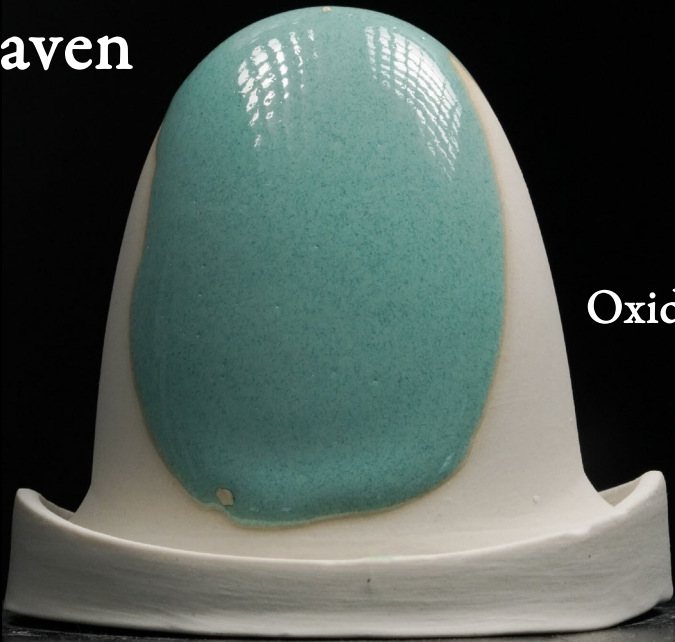
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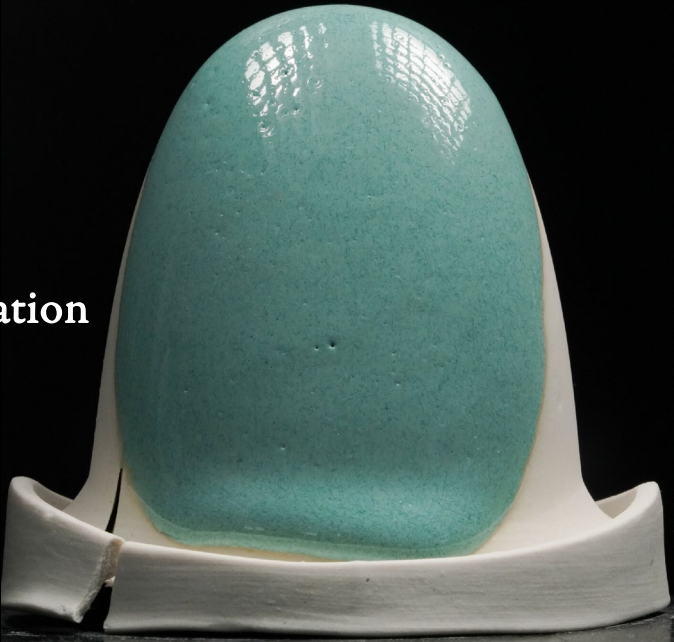
My Blue Heaven

Chemical Match
Mahavir Feldspar
062622-35

Mahavir	41.67
Whiting	21.75
EPK	1.63
Flint	32.88
Bentonite	2.07
Titanium Dioxide	2.85
Copper Carbonate	2.07
Tin Oxide	1.03
Water	60



1-3 Second Dip



2-3 Second Dips

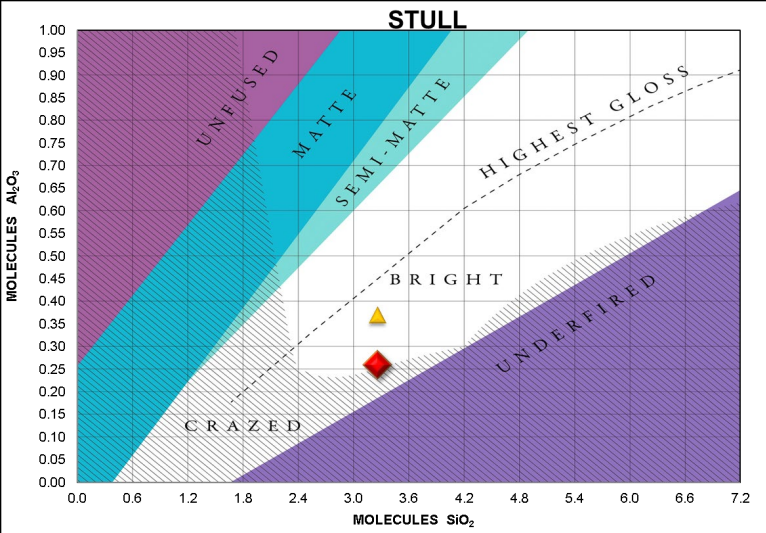


Reduction

Oxidation

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 0.07	K ₂ O 0.17	MgO 0.01	CaO 0.74
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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.78 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.07	K ₂ O 0.16	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

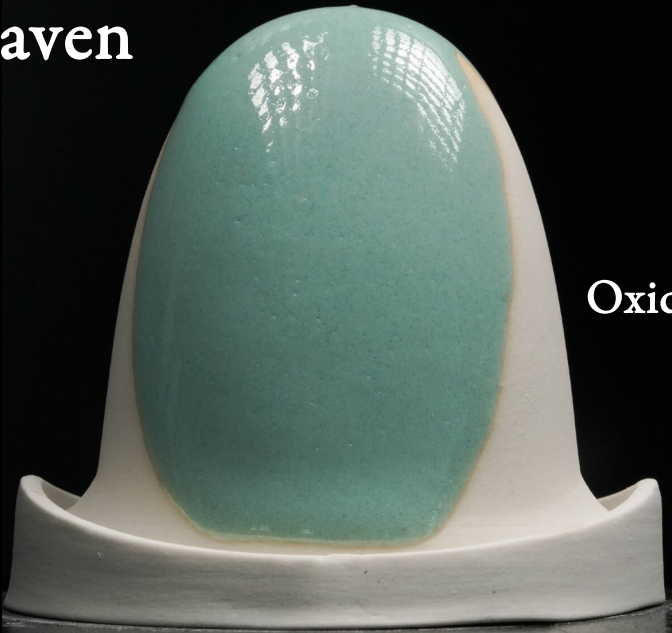


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Workshop

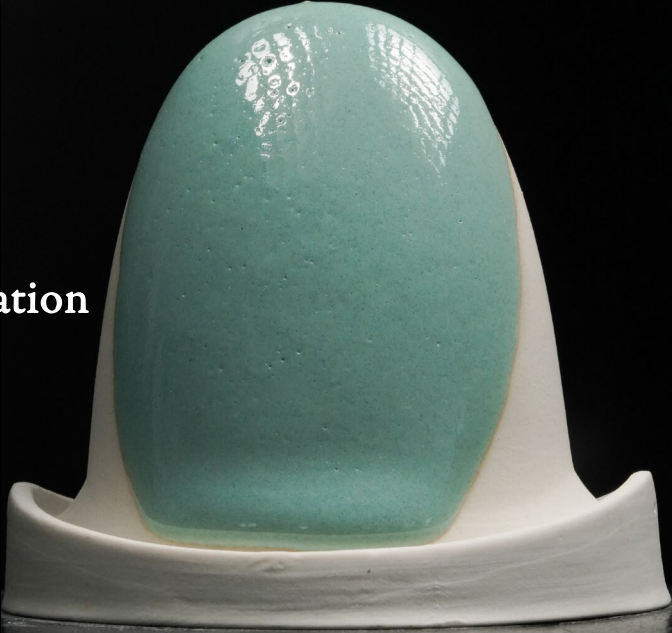
My Blue Heaven

Chemical Match
Custer Feldspar
062622-36

Custer	49.75
Whiting	21.40
EPK	
Flint	26.81
Bentonite	2.03
Titanium Dioxide	2.80
Copper Carbonate	2.03
Tin Oxide	1.02
Water	60



1-3 Second Dip



2-3 Second Dips

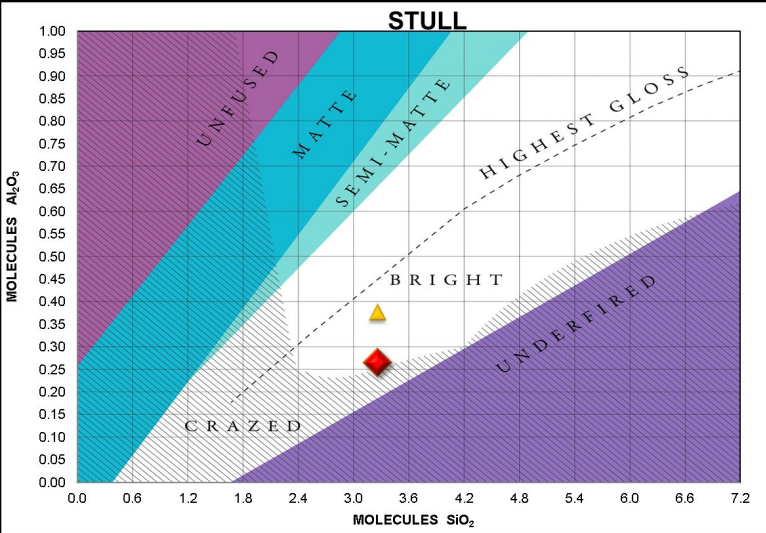


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 11.34 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 3.30	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.12	K ₂ O 0.17	MgO 0.00	CaO 0.70
B ₂ O ₃	Al ₂ O ₃ 0.29	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 8.19 : 1		Alkali Metals 0.34		Alkaline Earths 0.66	
SiO ₂ 3.07	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.11	K ₂ O 0.16	MgO 0.00	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.27	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

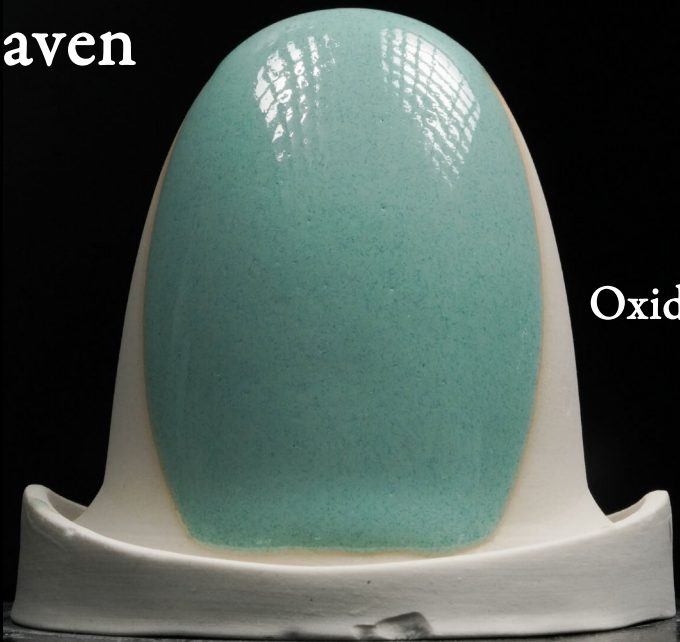


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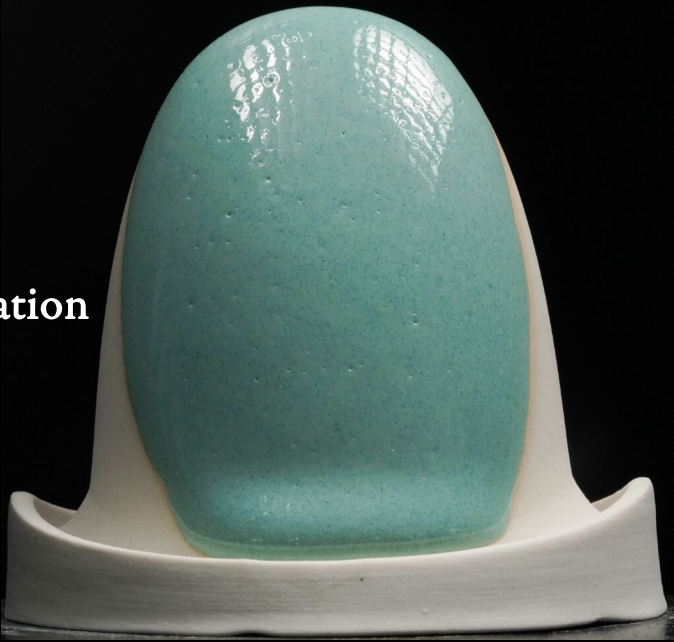
My Blue Heaven

Chemical Match
G200 EU Feldspar
062622-37

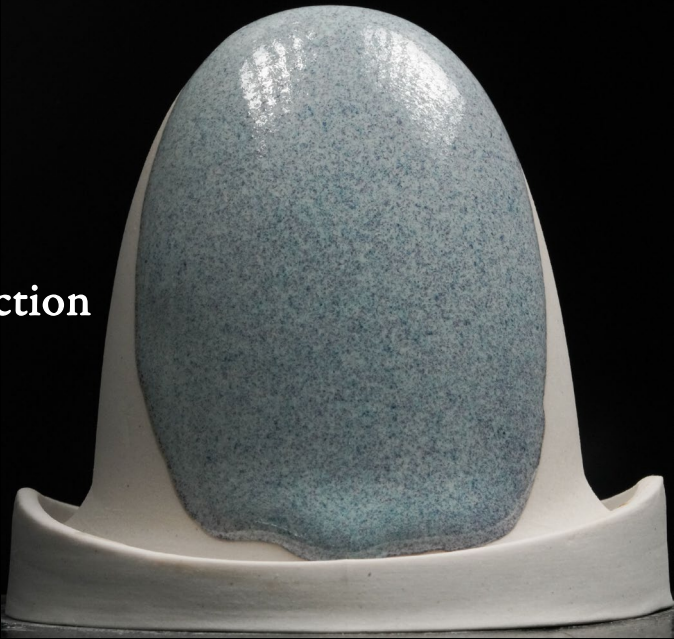
G200 EU	47.43
Whiting	21.50
EPK	
Flint	29.04
Bentonite	2.04
Titanium Dioxide	2.91
Copper Carbonate	2.12
Tin Oxide	1.06
Water	60



1-3 Second Dip



2-3 Second Dips

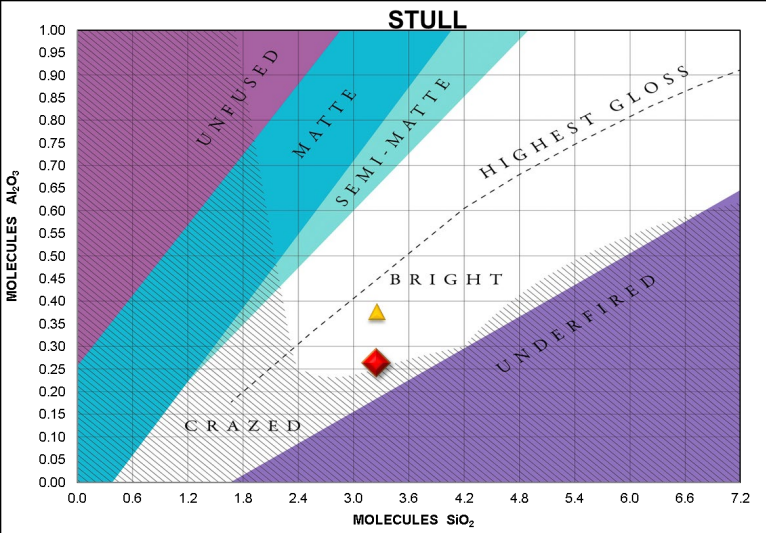


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.28 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 3.52	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.06	K ₂ O 0.19	MgO 0.01	CaO 0.74
B ₂ O ₃	Al ₂ O ₃ 0.29	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 8.61 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.05	K ₂ O 0.17	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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



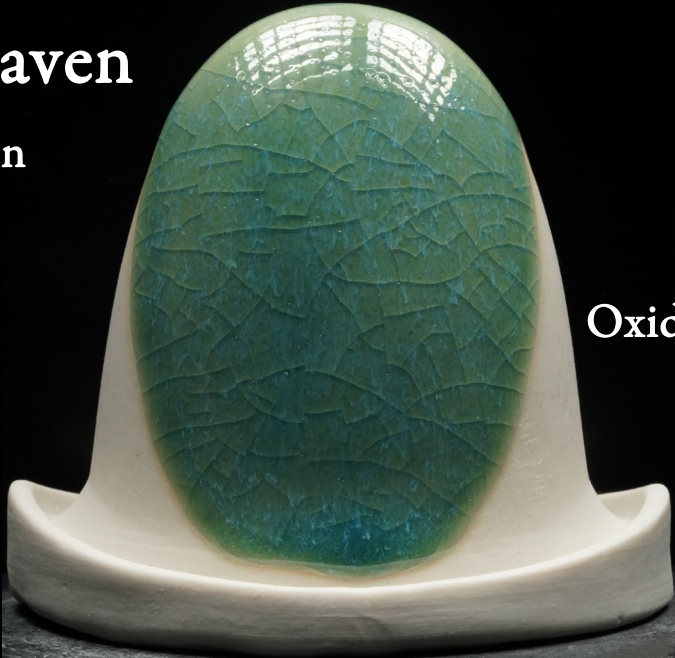
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Weight Substitution
Minspar Feldspar
062622-X1

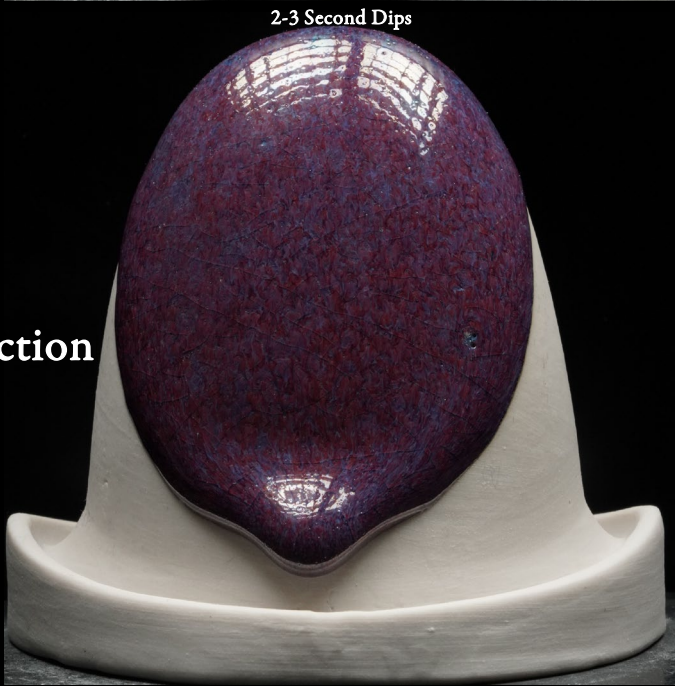
Minspar	53.30
Whiting	22.16
EPK	
Flint	28.61
Bentonite	2.12
Titanium Dioxide	2.92
Copper Carbonate	2.12
Tin Oxide	1.06
Water	60



Oxidation



1-3 Second Dip

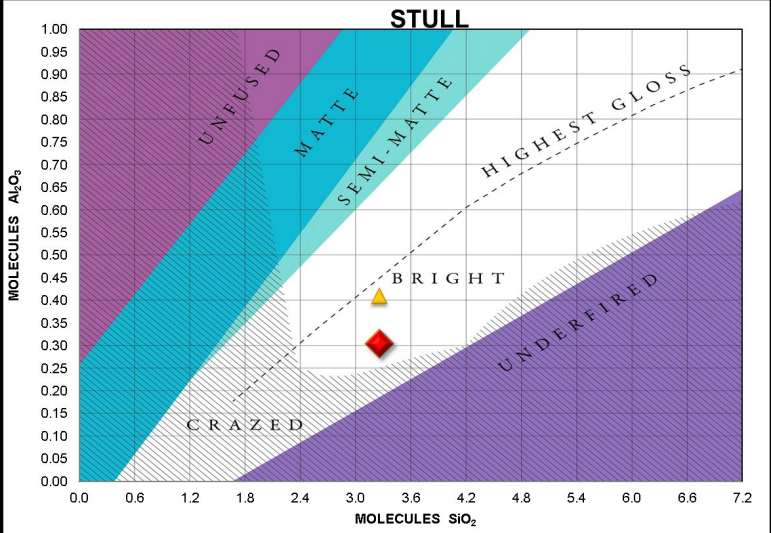


2-3 Second Dips

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 10.70 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂	Collective "Al ₂ O ₃ "	Na ₂ O	K ₂ O	MgO	CaO
3.51	0.33	0.17	0.07	0.00	0.74
B ₂ O ₃	Al ₂ O ₃	Li ₂ O	CuO	SrO	BaO
	0.33			0.00	0.00
TiO ₂	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO
0.00					0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 7.93 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂	Collective "Al ₂ O ₃ "	Na ₂ O	K ₂ O	MgO	CaO
3.26	0.41	0.16	0.07	0.00	0.69
B ₂ O ₃	Al ₂ O ₃	Li ₂ O	CuO	SrO	BaO
	0.30		0.05	0.00	0.00
TiO ₂	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO
0.11			0.02		0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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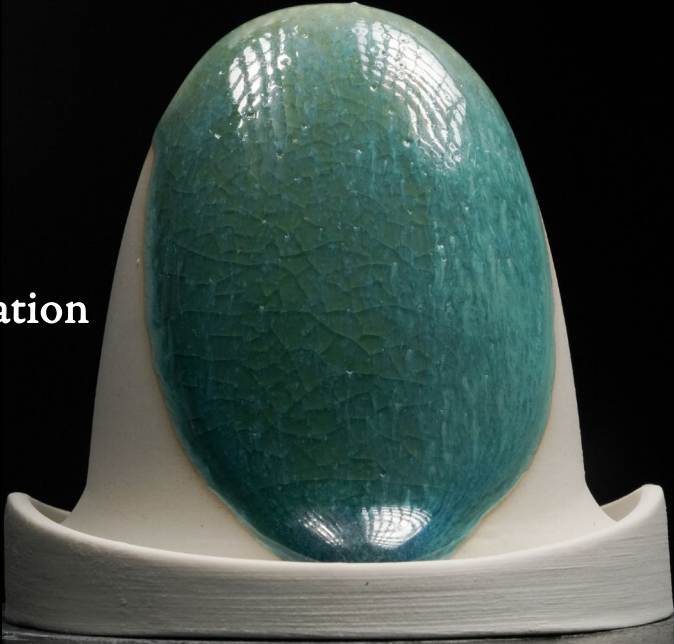
My Blue Heaven

Chemical Match
Spodumene
062622-38

Spodumene	28.26
Whiting	22.89
EPK	1.71
Flint	44.96
Bentonite	2.17
Titanium Dioxide	2.92
Copper Carbonate	2.13
Tin Oxide	1.06
Water	60



1-3 Second Dip



2-3 Second Dips

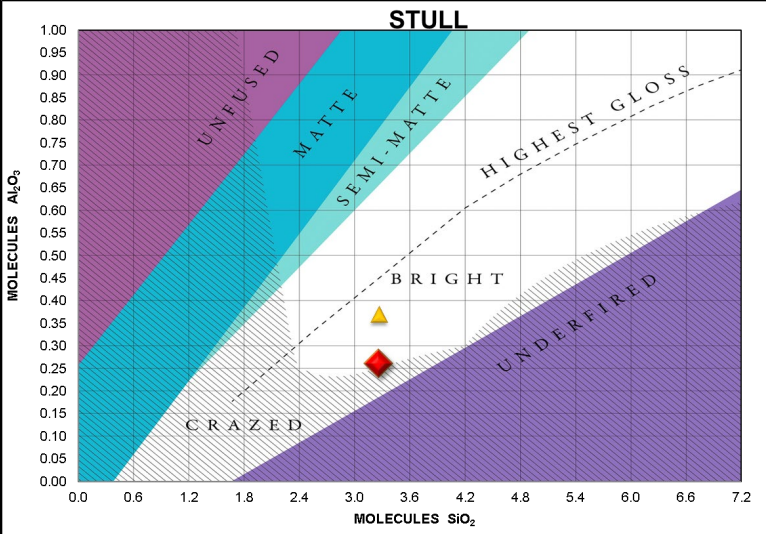


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.47 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
iO ₂ .52	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.01	K ₂ O 0.00	MgO 0.00	CaO 0.75
zO ₃	Al ₂ O ₃ 0.28	Li ₂ O 0.24	CuO	SrO	BaO
iO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
zO ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.01	K ₂ O 0.00	MgO 0.00	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O 0.22	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



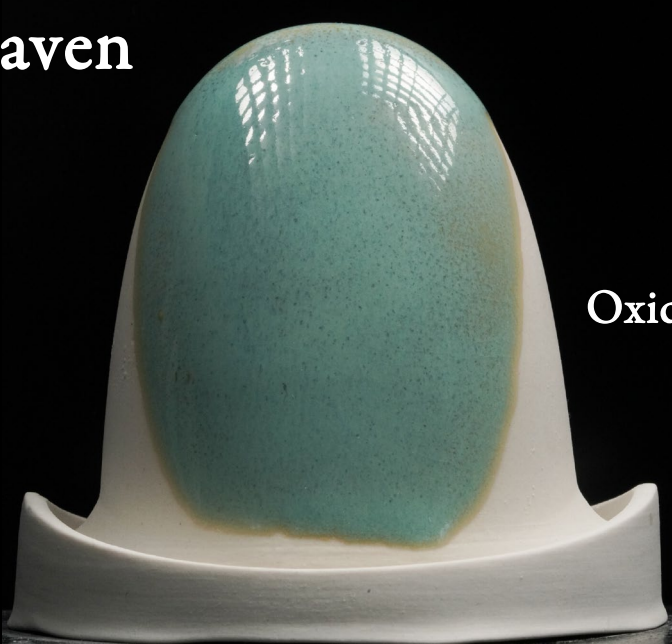
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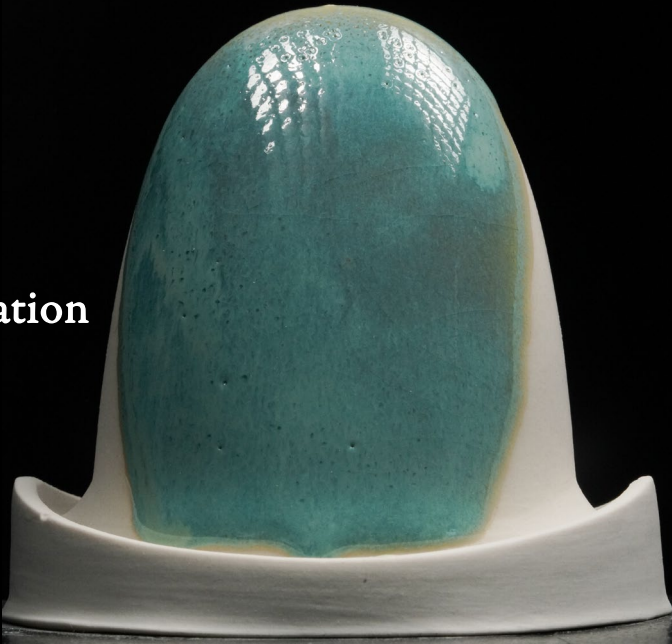
Chemical Match
Frit 3110
062622-40

3110	26.53
Whiting	18.73
EPK	19.20
Flint	33.44
Bentonite	2.10
Titanium Dioxide	2.90
Copper Carbonate	2.12
Tin Oxide	1.06
Water	60



Oxidation

1-3 Second Dip



2-3 Second Dips

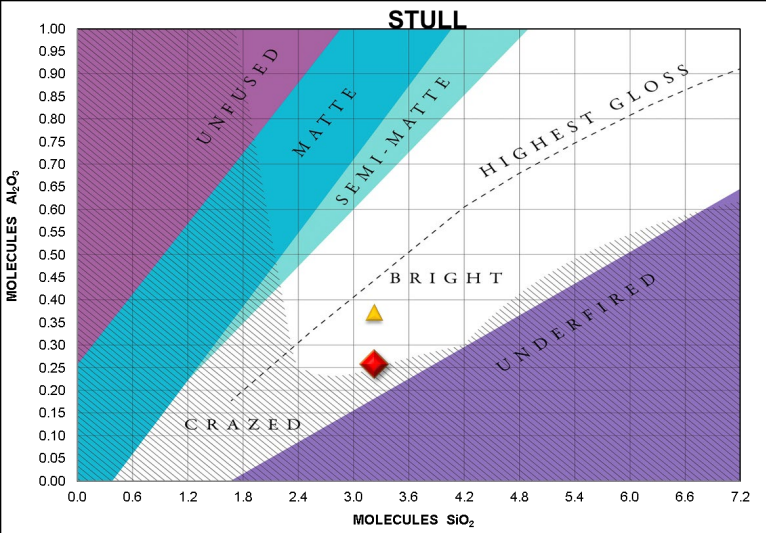


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.36 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 3.49	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.23	K ₂ O 0.02	MgO 0.01	CaO 0.73
B ₂ O ₃ 0.03	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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.65 : 1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.23	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.21	K ₂ O 0.02	MgO 0.01	CaO 0.68
B ₂ O ₃ 0.03	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	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



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Chemical Match
Cornwall
062622-41

Cornwall	79.78
Whiting	18.13
EPK	
Flint	
Bentonite	2.09
Titanium Dioxide	2.86
Copper Carbonate	2.08
Tin Oxide	1.04
Water	80



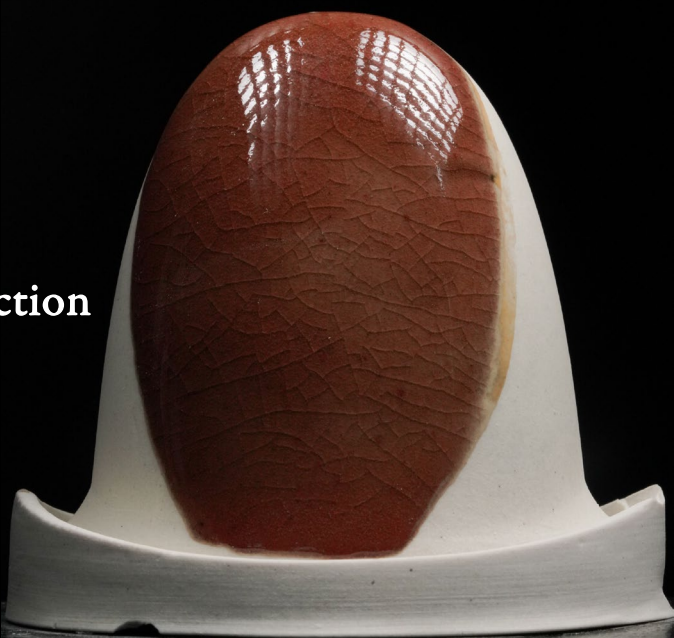
Oxidation



1-3 Second Dip

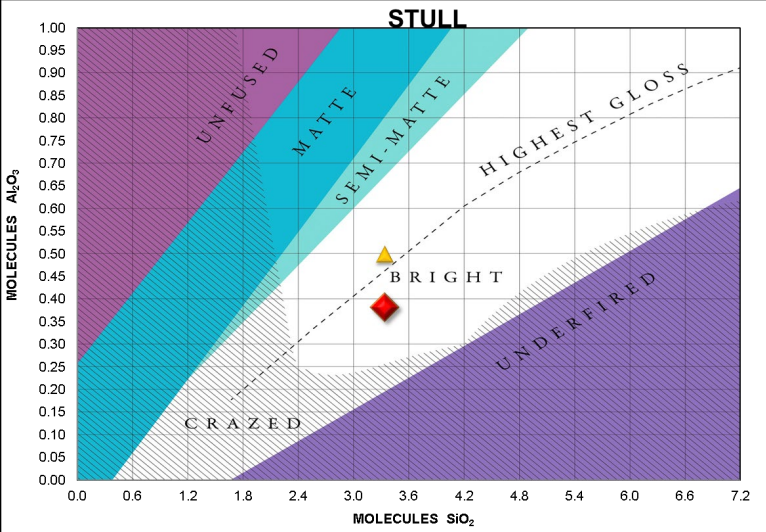


2-3 Second Dips



UMF

SiO ₂ :Al ₂ O ₃ Ratio 8.72 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 3.62	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.14	K ₂ O 0.11	MgO 0.01	CaO 0.72
B ₂ O ₃	Al ₂ O ₃ 0.41	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 6.68 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.34	Collective "Al ₂ O ₃ " 0.50	Na ₂ O 0.13	K ₂ O 0.10	MgO 0.01	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.38	Li ₂ O	CuO	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

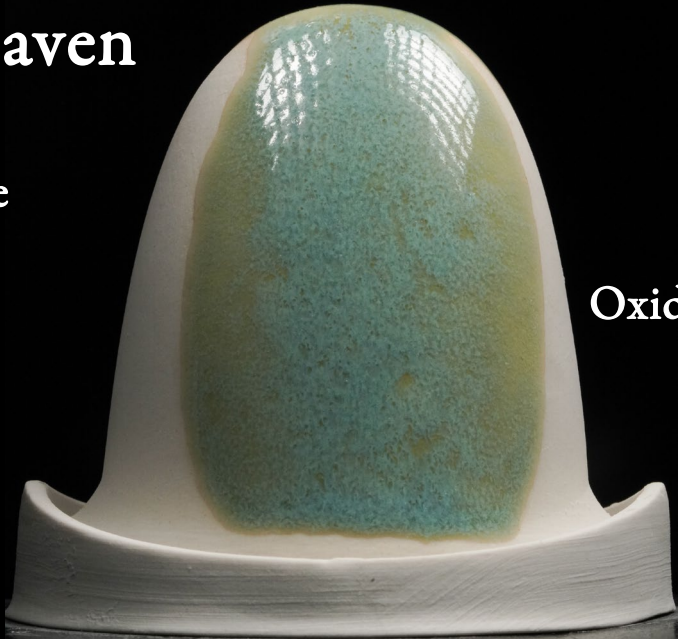


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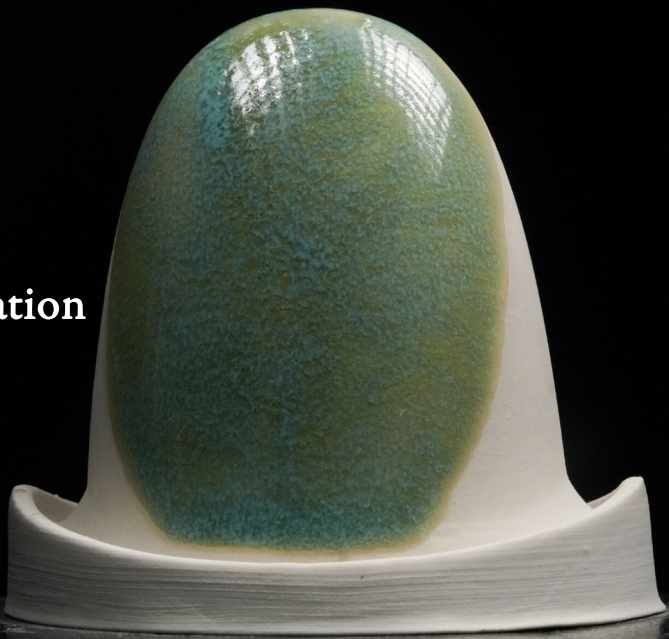
Chemical Match
Lithium Carbonite
062622-42

Lithium Carb	5.04
Whiting	21.31
EPK	21.67
Flint	49.86
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	70



Oxidation

1-3 Second Dip



2-3 Second Dips

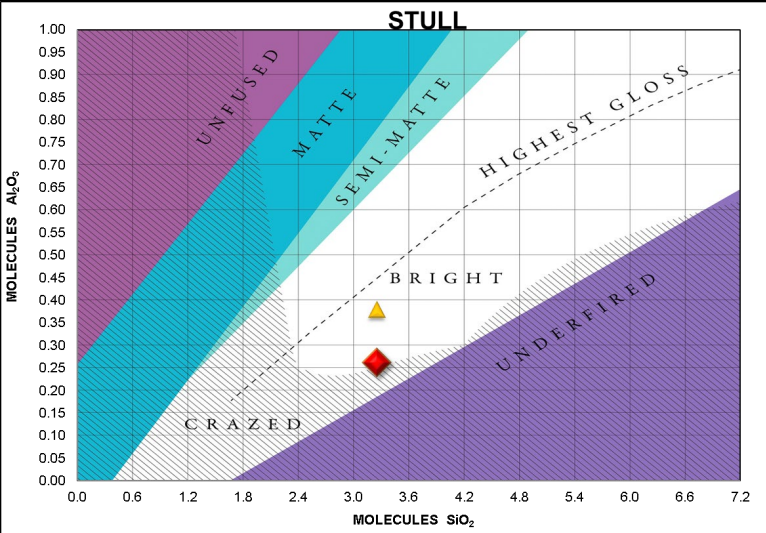


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.26 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.52	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.00	K ₂ O 0.00	MgO 0.01	CaO 0.74
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O 0.24	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 8.57 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.00	K ₂ O 0.00	MgO 0.01	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O 0.22	CuO 0.05	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



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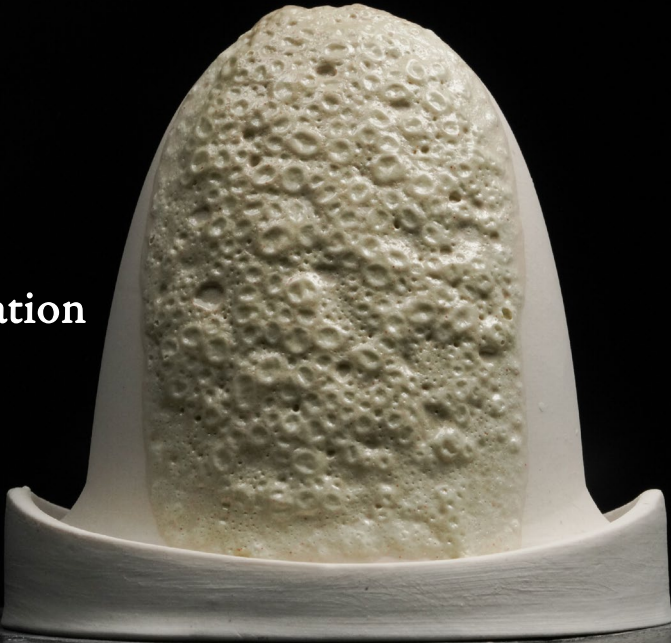
Chemical Match
Talc

062622-43

Neph Sy	37.13
Talc	30.44
EPK	1.30
Flint	28.97
Bentonite	2.16
Titanium Dioxide	2.92
Copper Carbonate	2.12
Tin Oxide	1.06
Water	80



1-3 Second Dip



2-3 Second Dips

Oxidation



1-3 Second Dip

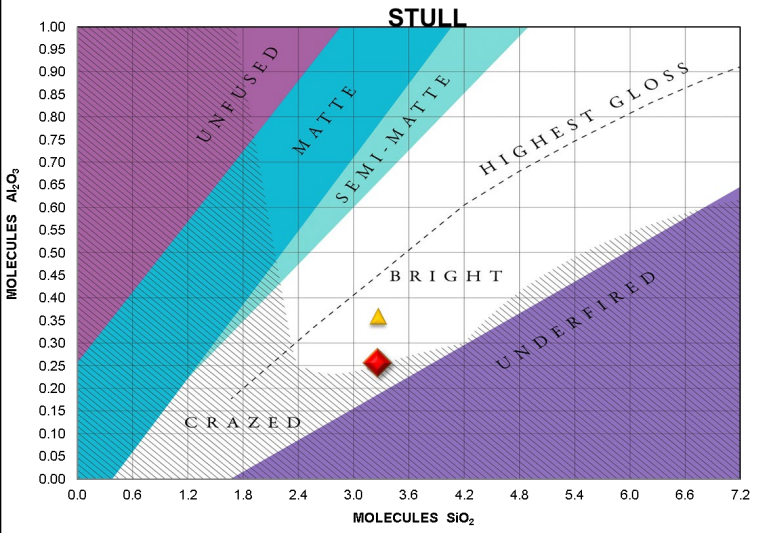


2-3 Second Dips

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.64 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.50	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.68	CaO 0.07
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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 9.08 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.26	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.63	CaO 0.06
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	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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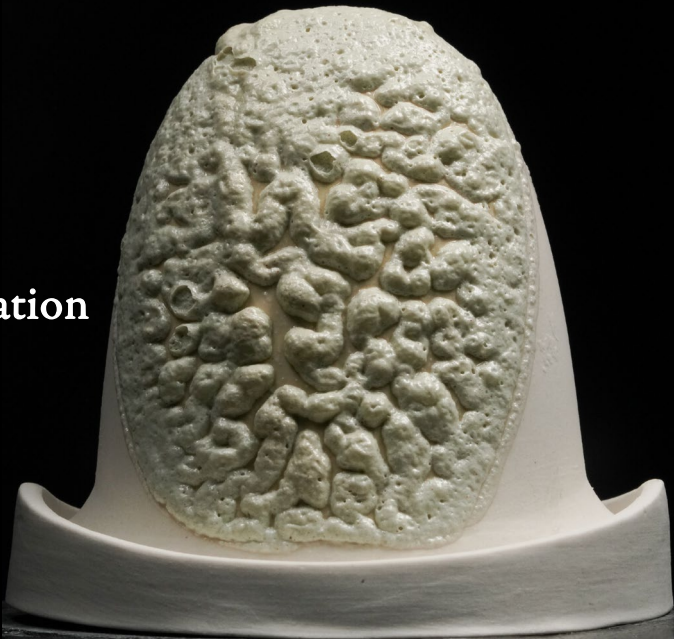
My Blue Heaven

Chemical Match
Magnesium Carbonate
062622-44

Neph Sy	36.86
Mag Carbonate	18.71
EPK	0.41
Flint	41.92
Bentonite	2.11
Titanium Dioxide	2.89
Copper Carbonate	2.11
Tin Oxide	1.06
Water	170



1-3 Second Dip



2-3 Second Dips

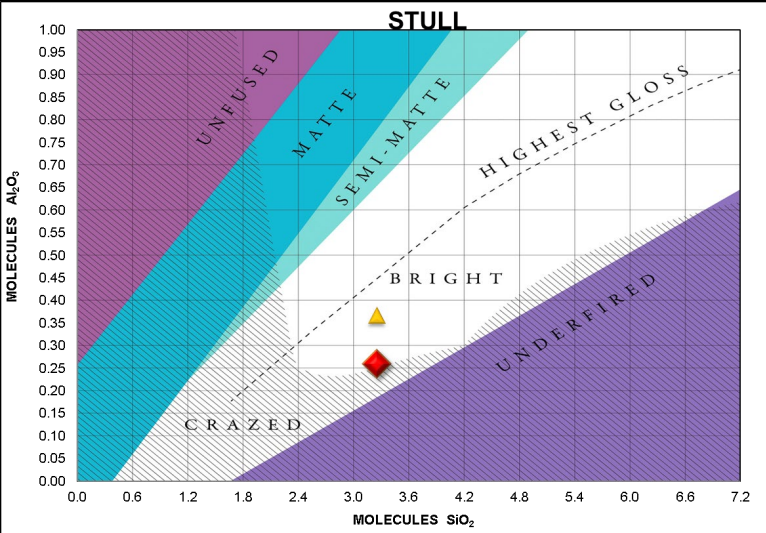


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.44 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 3.50	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.20	K ₂ O 0.06	MgO 0.73	CaO 0.01
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 8.84 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.25	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.68	CaO 0.01
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

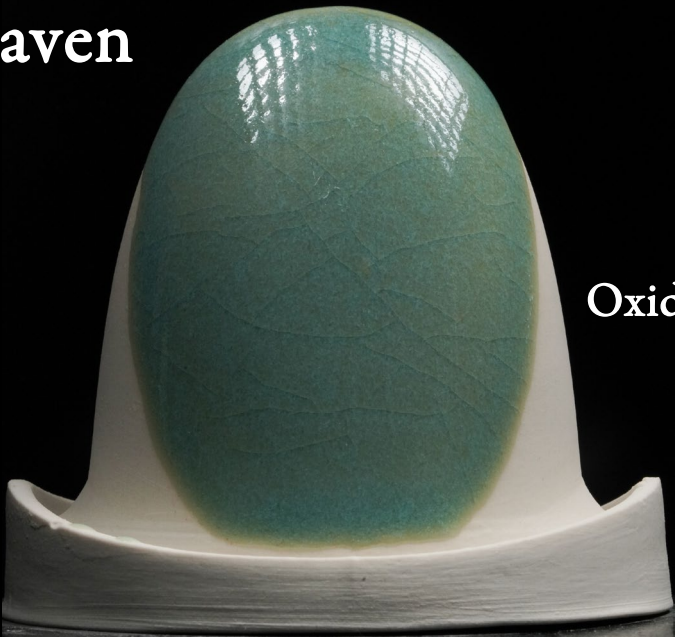


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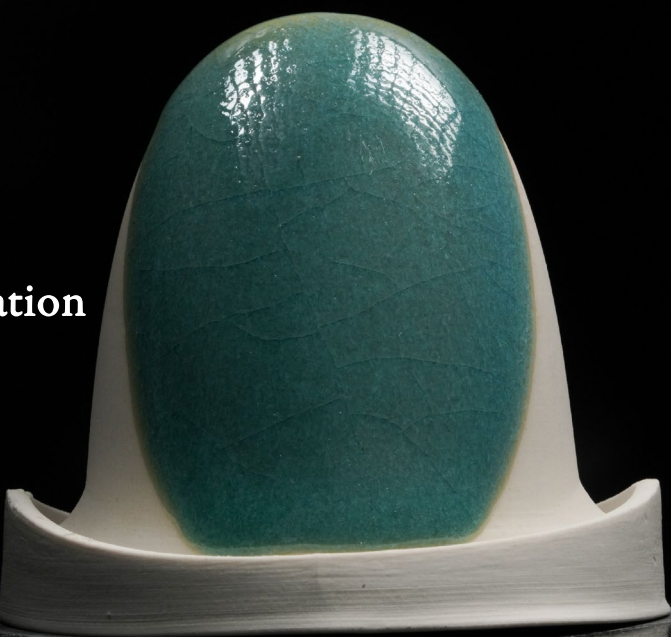
My Blue Heaven

Chemical Match
Dolomite
062622-45

Neph Sy	34.05
Dolomite	20.66
EPK	1.71
Flint	41.45
Bentonite	2.13
Titanium Dioxide	2.91
Copper Carbonate	2.11
Tin Oxide	1.05
Water	70



1-3 Second Dip



2-3 Second Dips



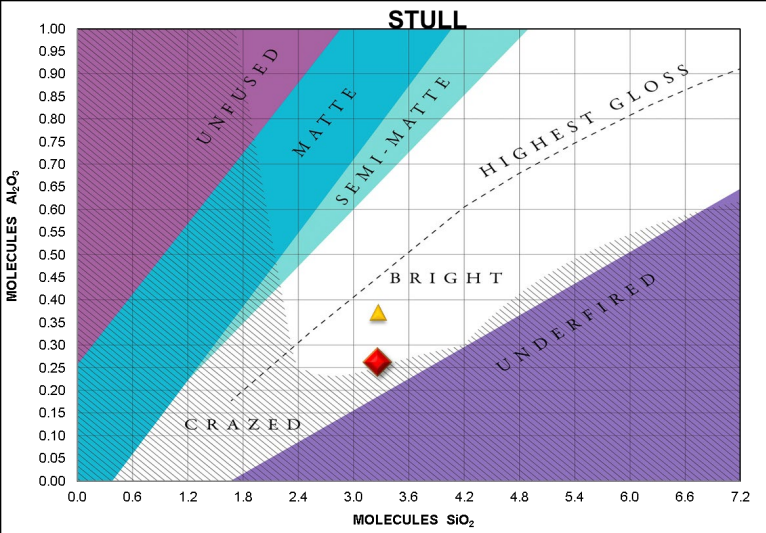
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 8.74 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.35	CaO 0.35
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



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.74 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.35	CaO 0.35
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

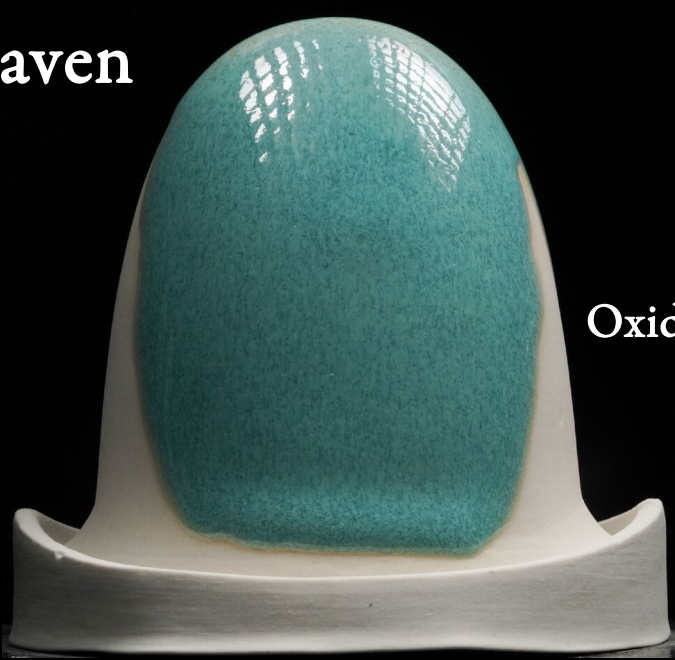


Ceramic
Materials
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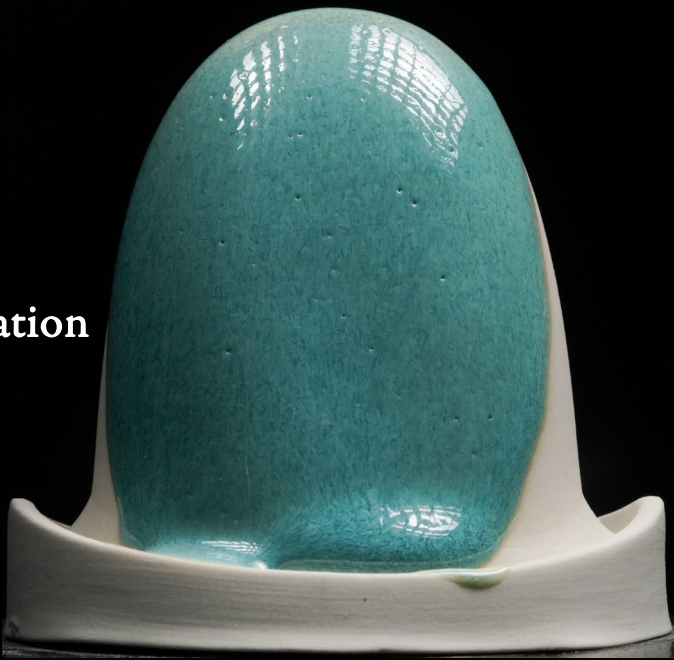
My Blue Heaven

Chemical Match
Wollastonite
062622-46

Neph Sy	36.71
Wollastonite	29.83
EPK	1.12
Flint	30.20
Bentonite	2.14
Titanium Dioxide	2.94
Copper Carbonate	2.12
Tin Oxide	1.06
Water	60



1-3 Second Dip



2-3 Second Dips

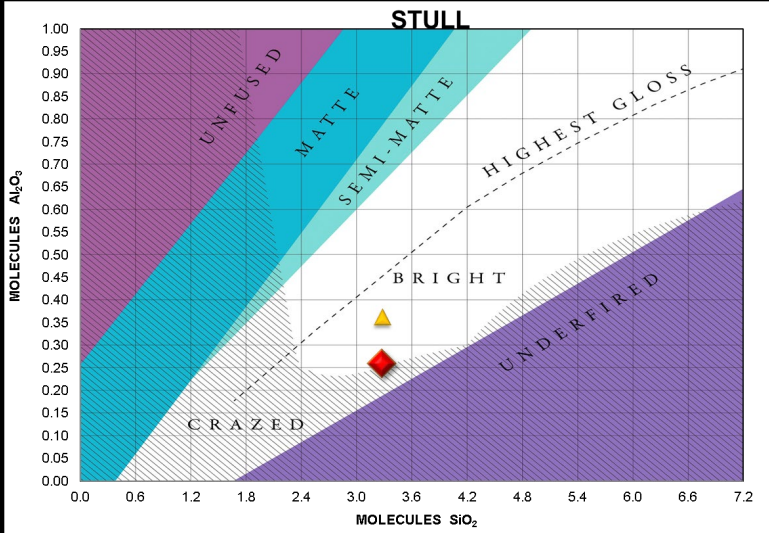
Oxidation



Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.60 :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 0.03	CaO 0.71
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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 9.02 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.28	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.03	CaO 0.66
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.05	SrO	BaO
TiO ₂ 0.10	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

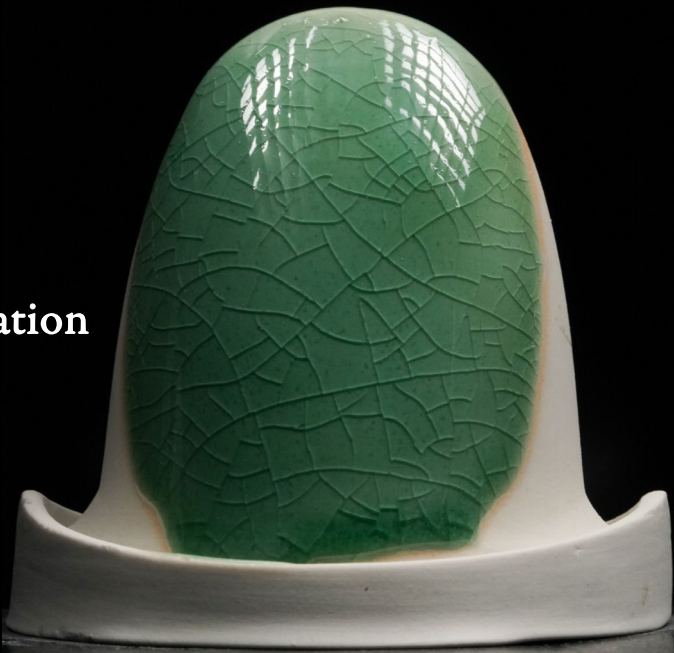
My Blue Heaven

Chemical Match
Strontium Carbonate
062622-47

Neph Sy	30.26
Strontium Carb	29.34
EPK	1.52
Flint	36.78
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.11
Tin Oxide	1.05
Water	70



1-3 Second Dip



2-3 Second Dips

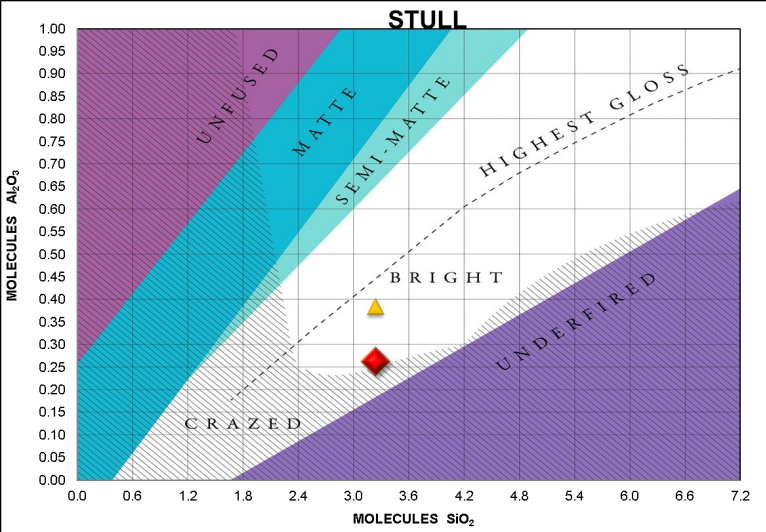
Oxidation



Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.34 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.53	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO 0.74	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 8.42 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.24	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.06	SrO 0.68	BaO
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

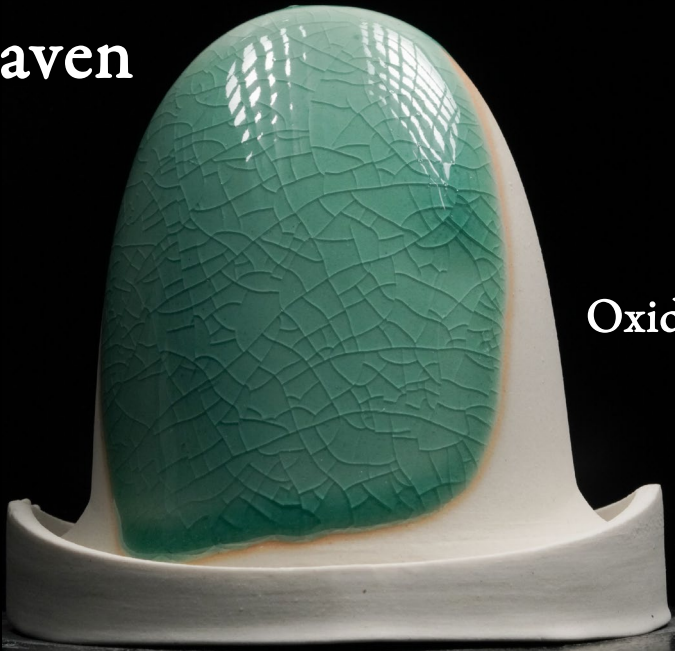


Ceramic
Materials
Workshop

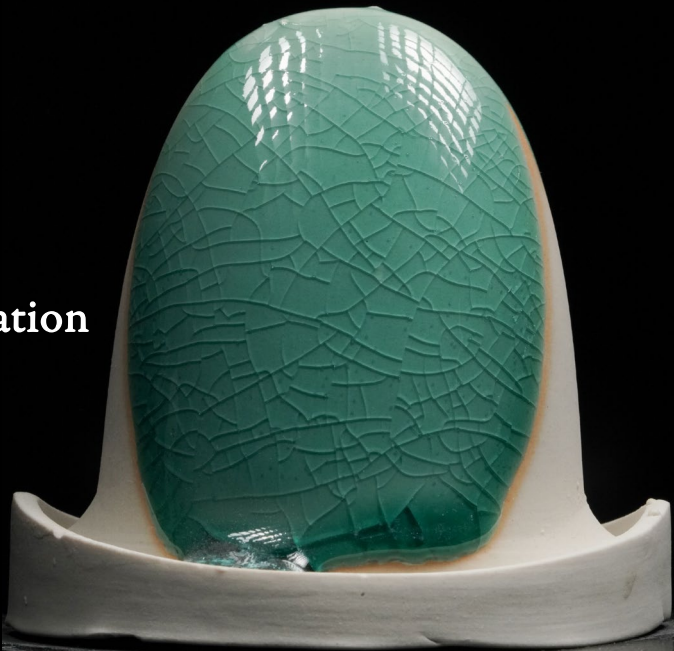
My Blue Heaven

Chemical Match
Barium Carbonate
062622-48

Neph Sy	27.14
Barium Carb	35.79
EPK	1.36
Flint	33.61
Bentonite	2.09
Titanium Dioxide	2.88
Copper Carbonate	2.09
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

Oxidation



1-3 Second Dip

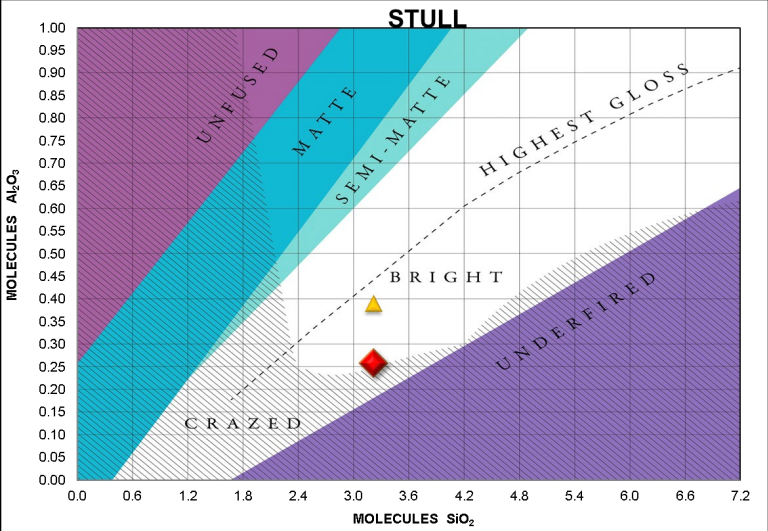


2-3 Second Dips

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.44 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.53	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO 0.74
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 8.23 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.22	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO	SrO	BaO 0.68
TiO ₂ 0.13	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
Materials
Workshop

My Blue Heaven

Chemical Match
Zinc Oxide
062622-49

Neph Sy	34.89
Zinc Oxide	18.70
EPK	1.75
Flint	42.53
Bentonite	2.13
Titanium Dioxide	2.93
Copper Carbonate	2.13
Tin Oxide	1.06
Water	70



1-3 Second Dip



2-3 Second Dips

Oxidation



1-3 Second Dip

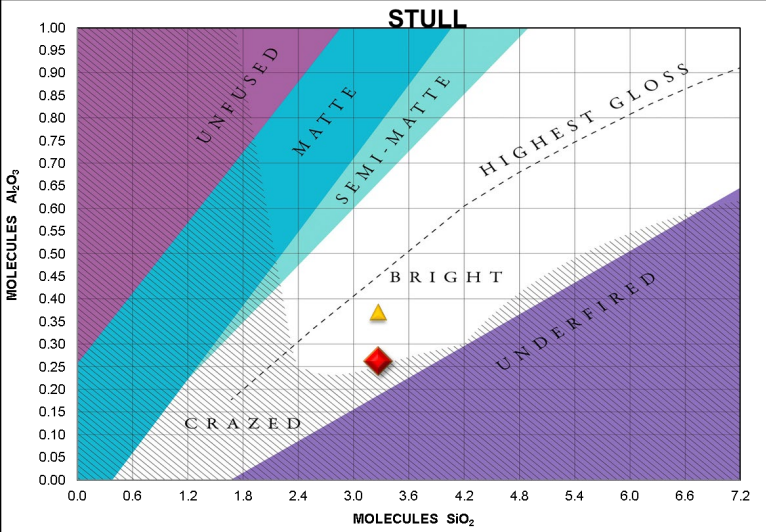


2-3 Second Dips

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.41 :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 0.01
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 0.74	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.27	Collective "Al ₂ O ₃ " 0.37	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
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 0.69	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

Chemical Match
Bone Ash
062622-50

Neph Sy	30.63
Bone Ash	28.37
EPK	1.53
Flint	37.36
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.11
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

Oxidation



1-3 Second Dip

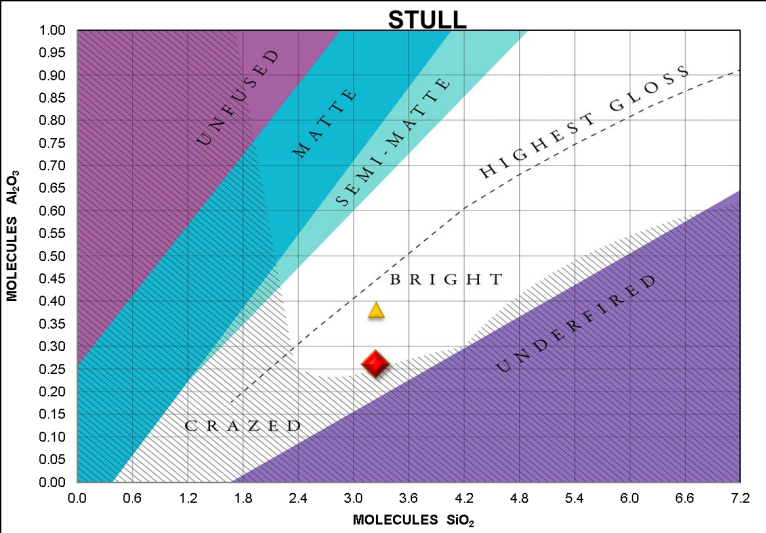


2-3 Second Dips

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 12.37 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.53	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.74
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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅ 0.41		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.48 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.24	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.06	SrO	BaO
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 0.37		MnO ₂	CoO



Ceramic
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