

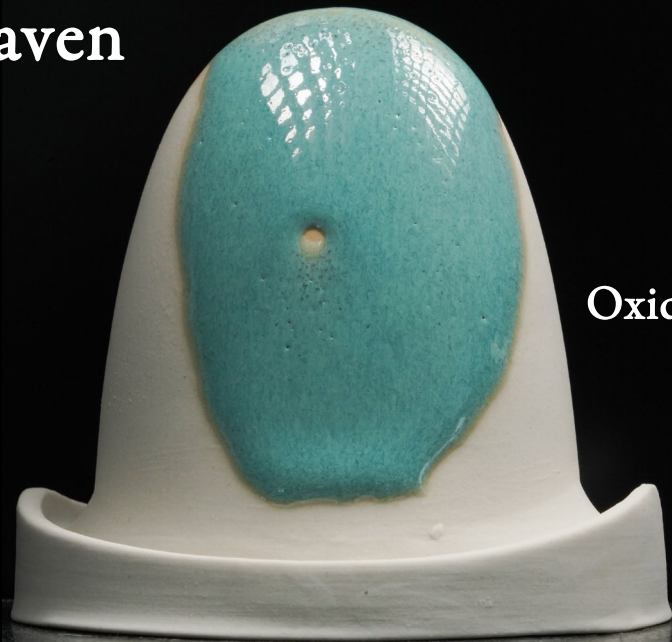
My Blue Heaven- Δ 10

Lab 3-Sili-Closeness

My Blue Heaven

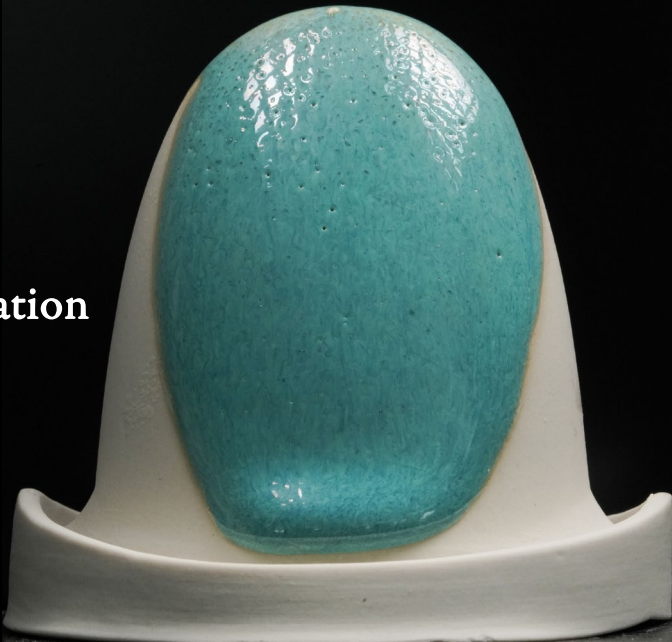
Original
062622-1

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

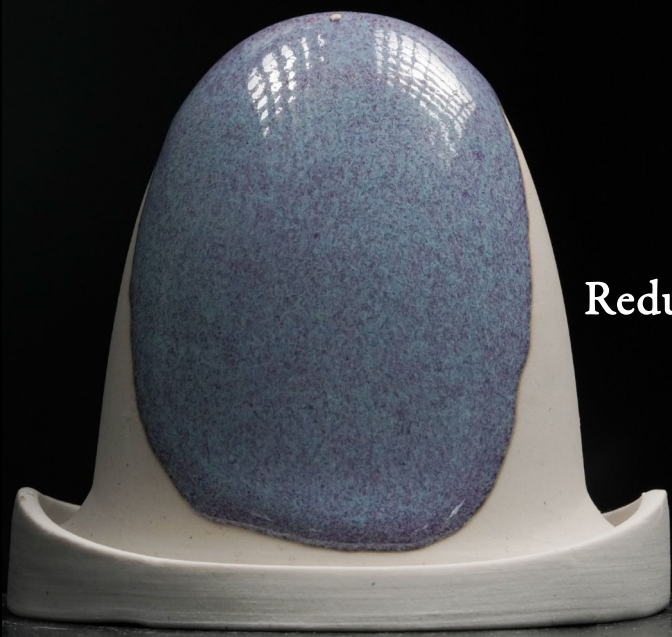


Oxidation

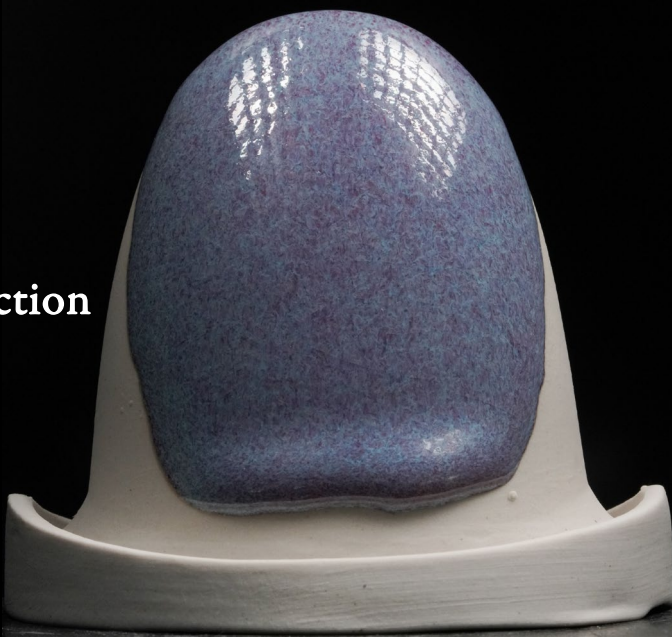
1-3 Second Dip



2-3 Second Dips

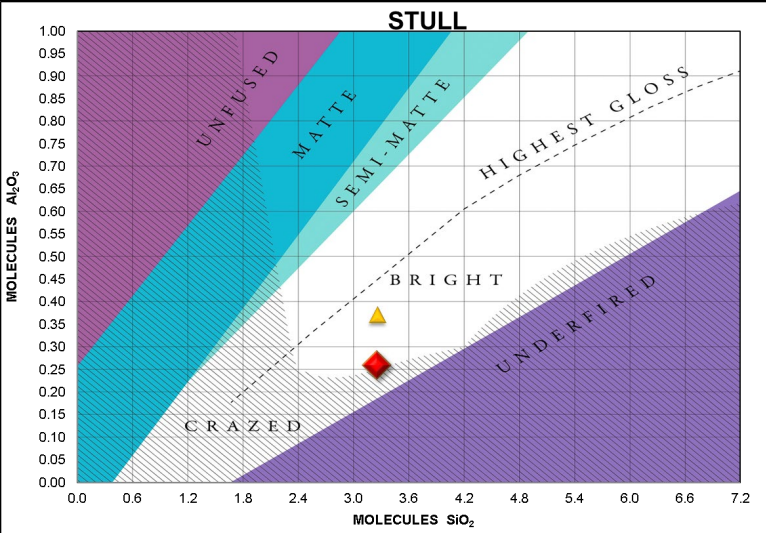


Reduction



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



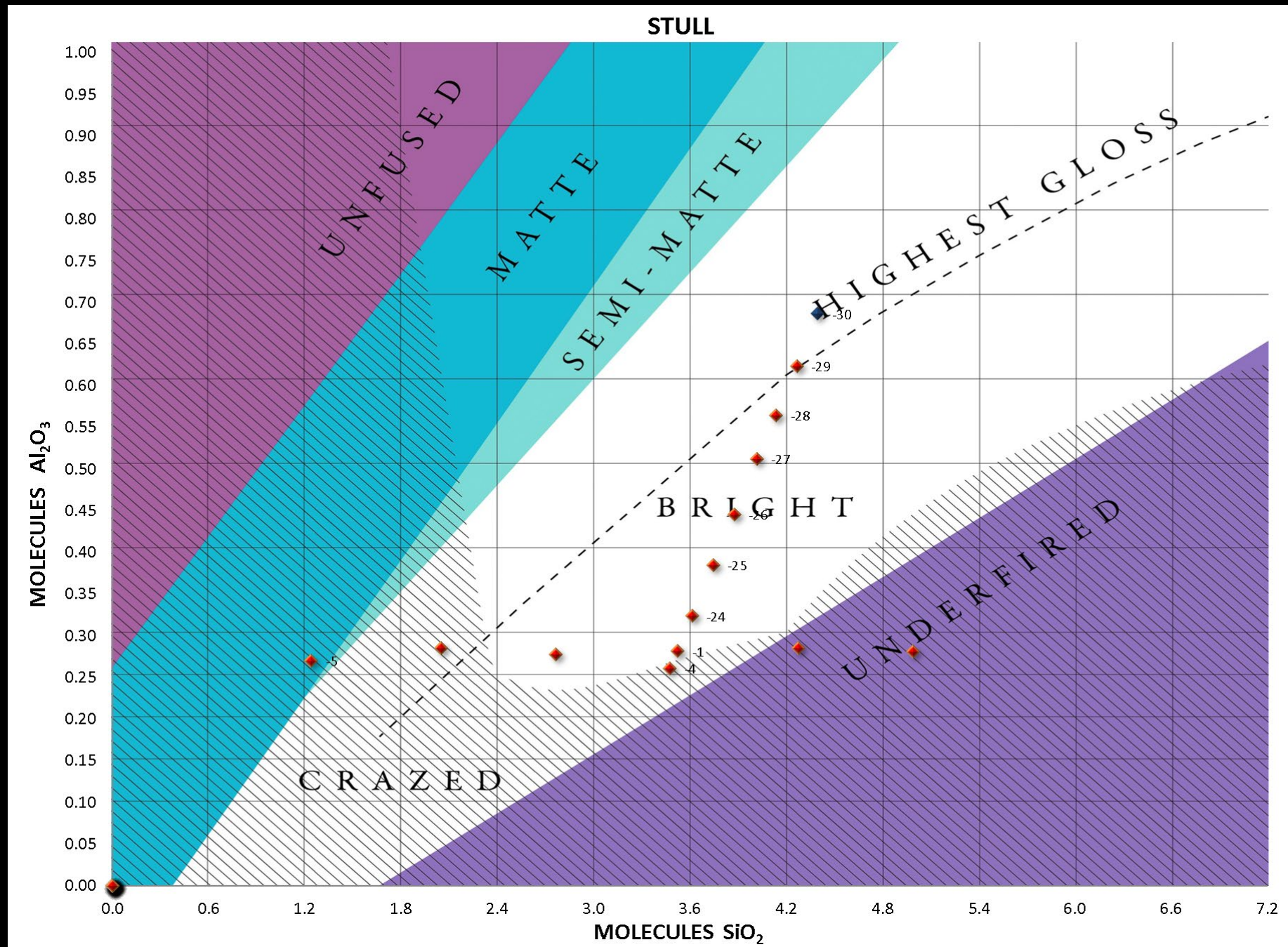
EUMF

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



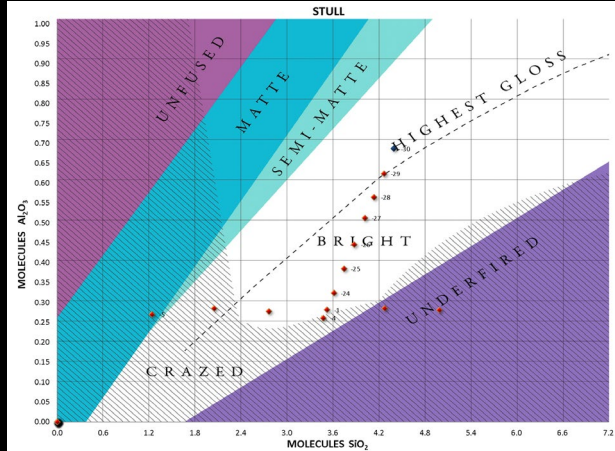
Ceramic
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UMF



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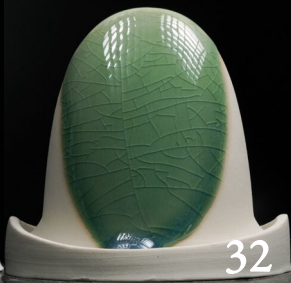
Full Test-Oxidation-1-3 Second Dip



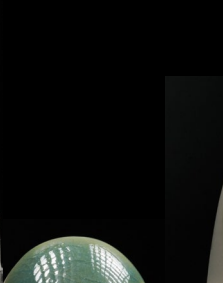
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31



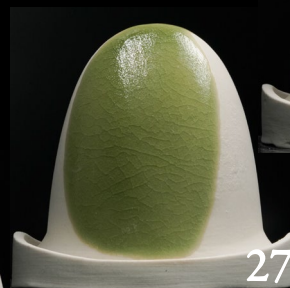
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25



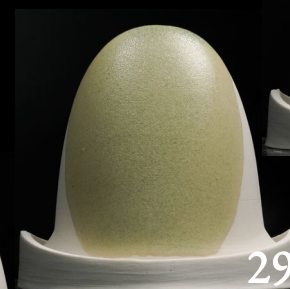
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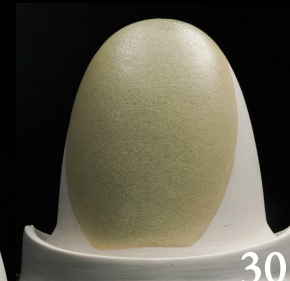
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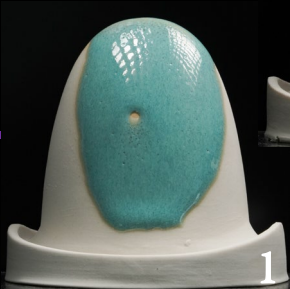
Indicates correct position of Silica samples



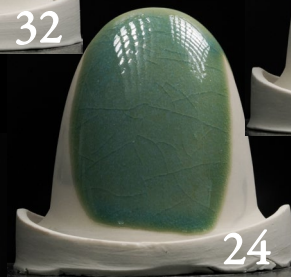
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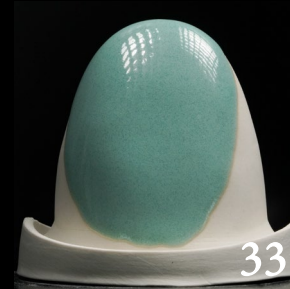
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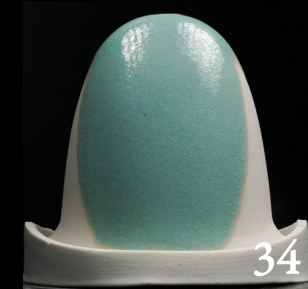
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24

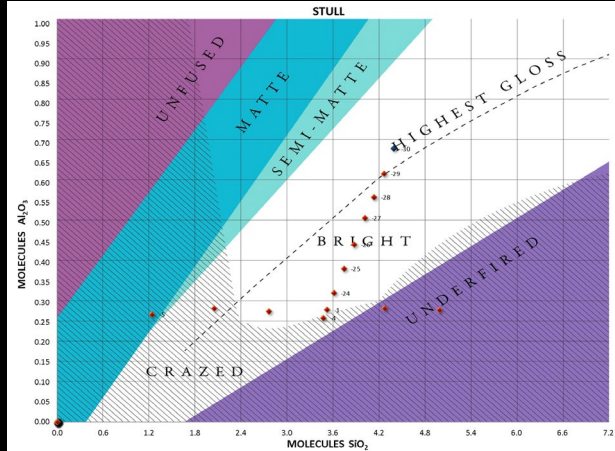


33



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Full Test-Oxidation-2-3 Second Dips



5



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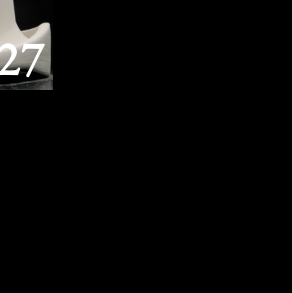
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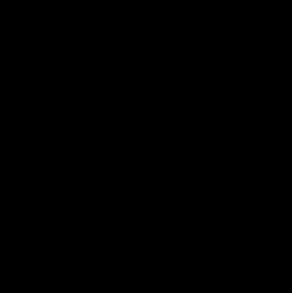
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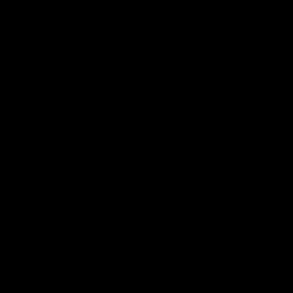
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Indicates correct position of Silica samples



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4



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24



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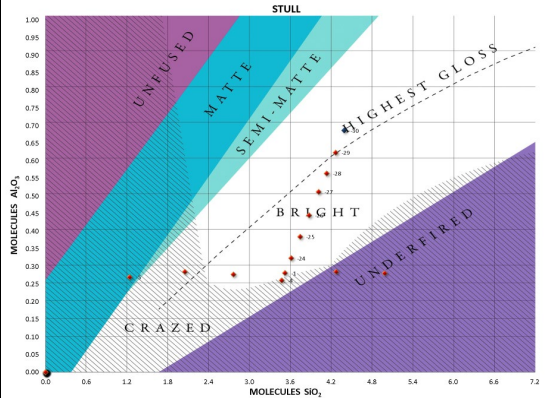
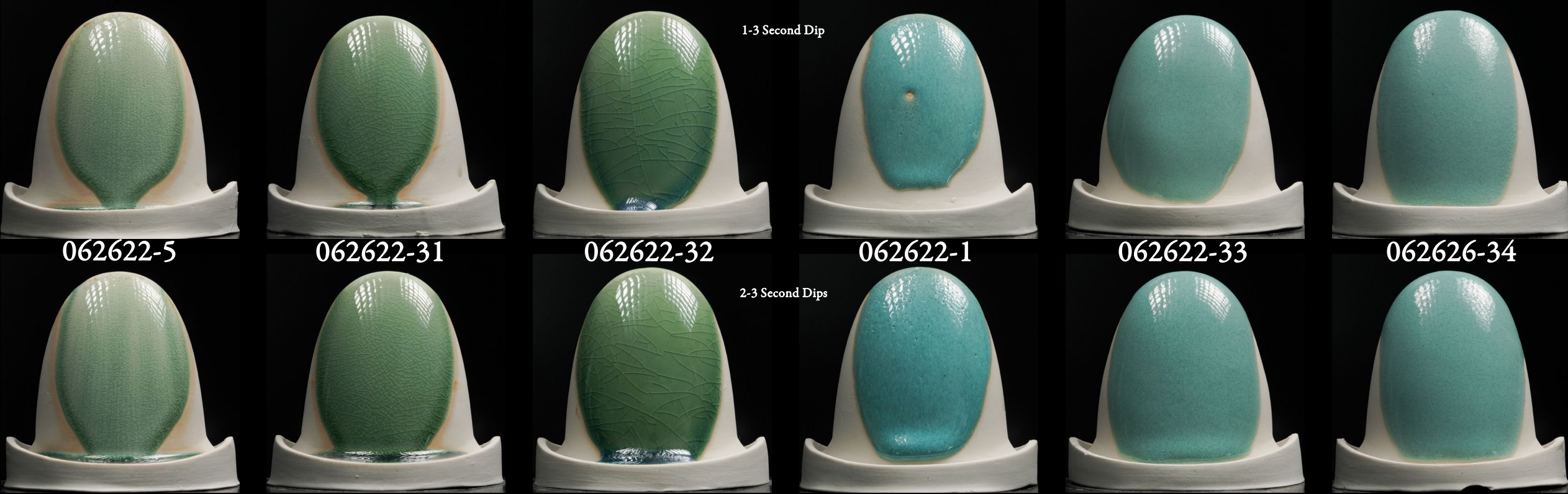


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Silica Variations-Oxidation

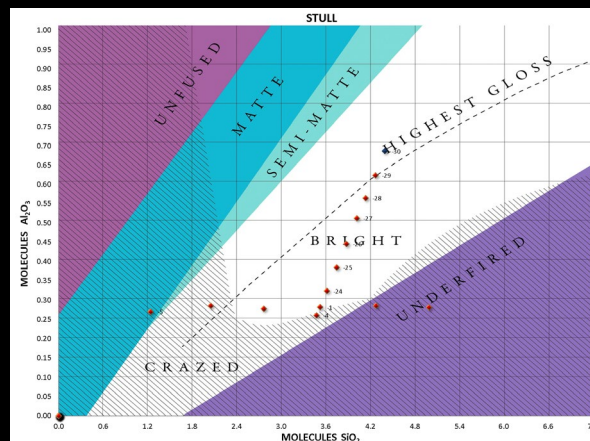
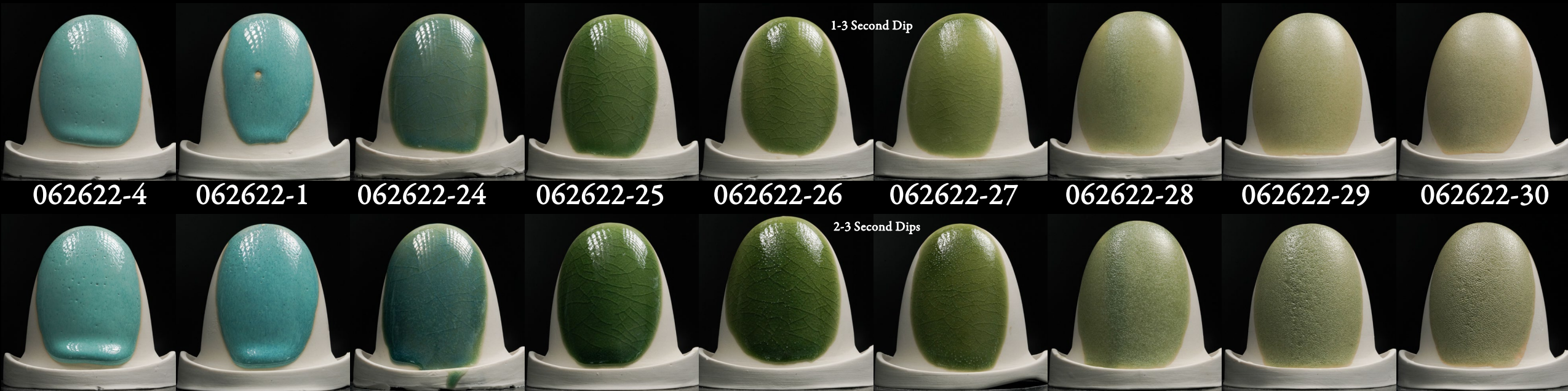


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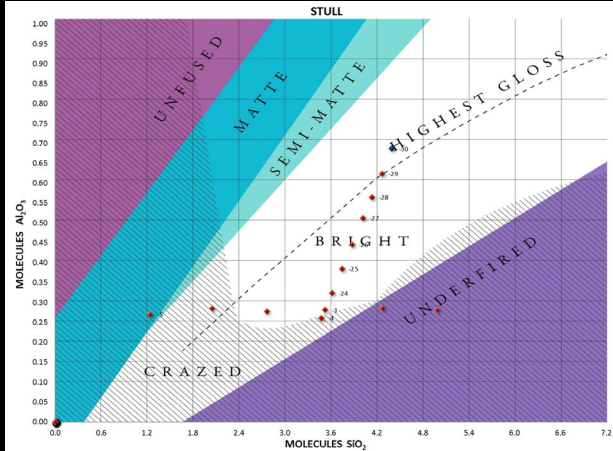
Alumina Variations-Oxidation



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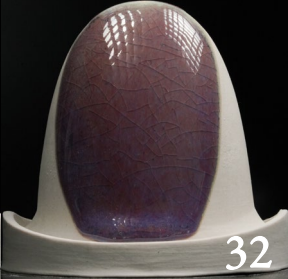
Full Test-Reduction-1-3 Second Dip



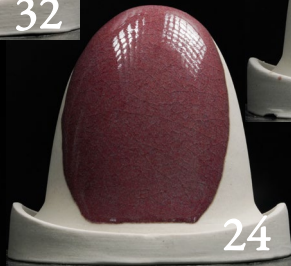
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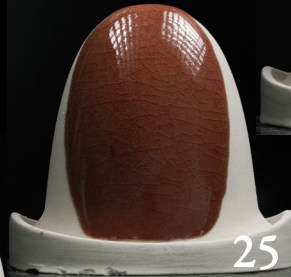
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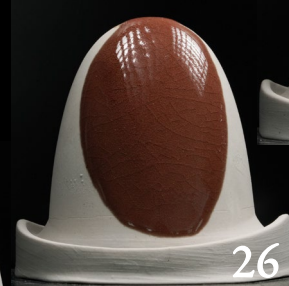
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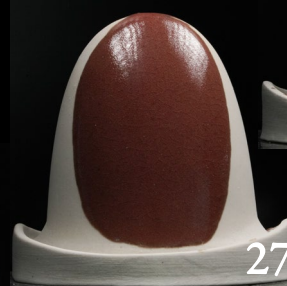
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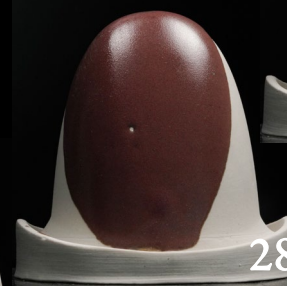
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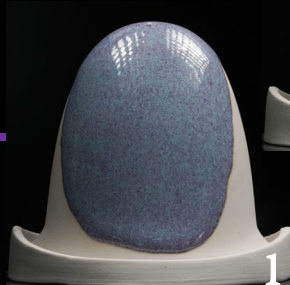
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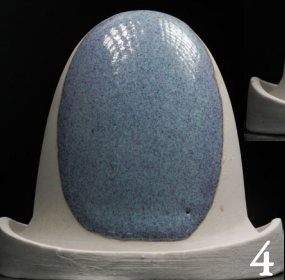
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34



1



4

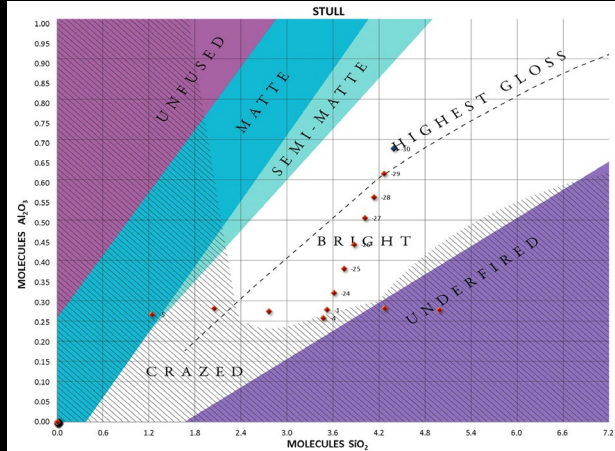
Indicates correct position of Silica samples



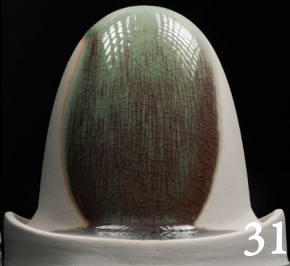
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Full Test-Reduction-2-3 Second Dips



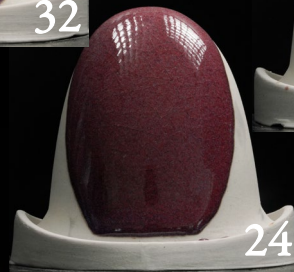
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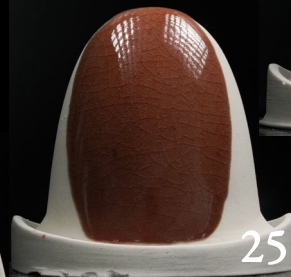
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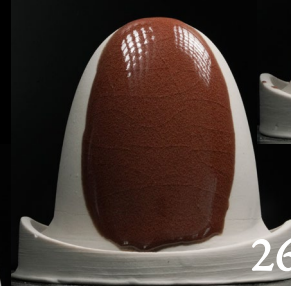
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24



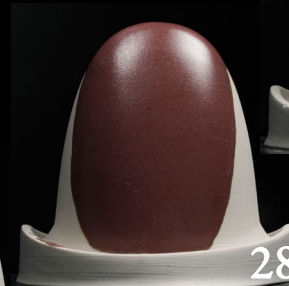
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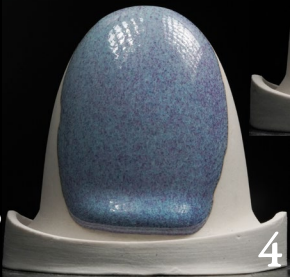


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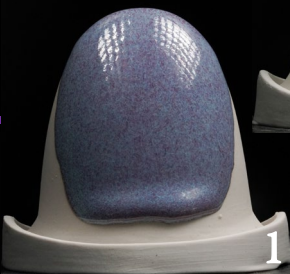


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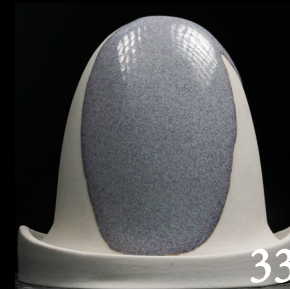
Indicates correct position of Silica samples



4



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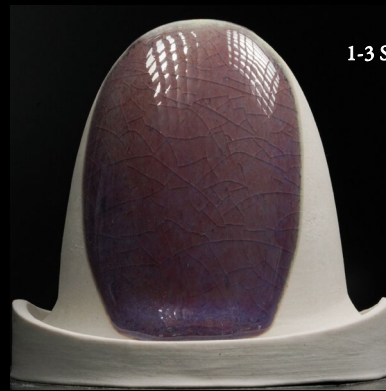
Silica Variations-Reduction



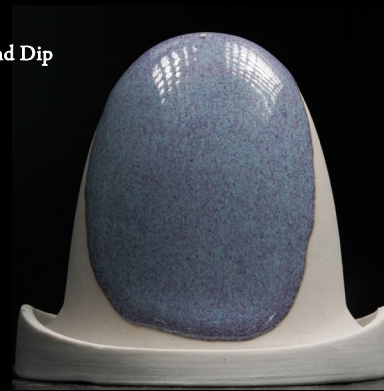
062622-5



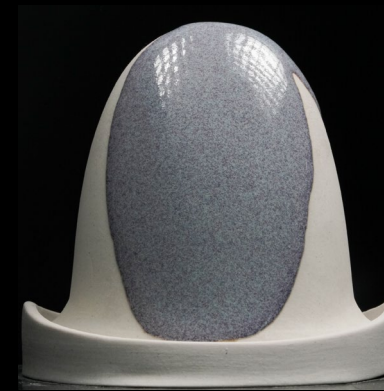
062622-31



062622-32



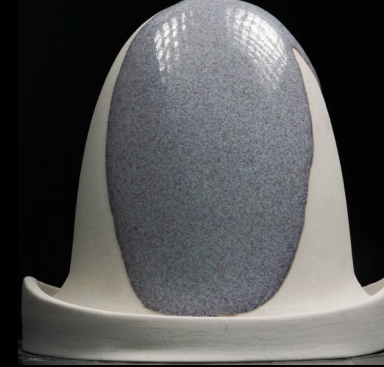
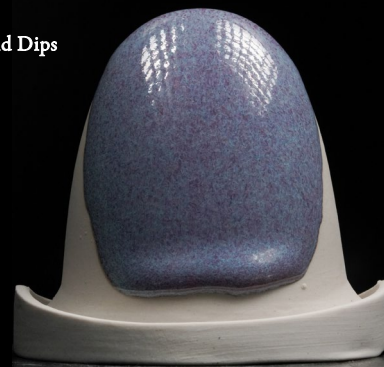
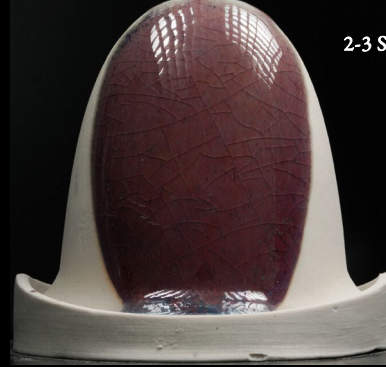
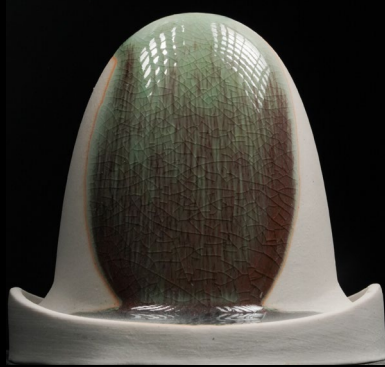
062622-1



062622-33

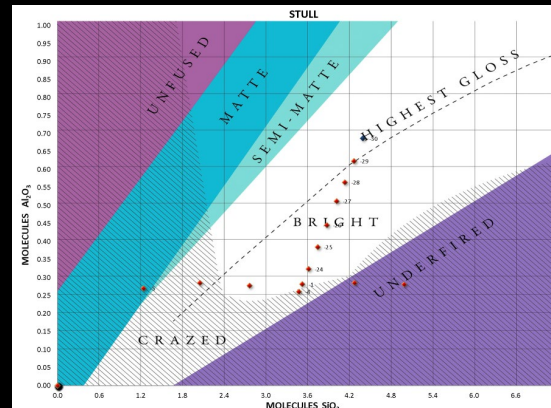


062626-34



1-3 Second Dip

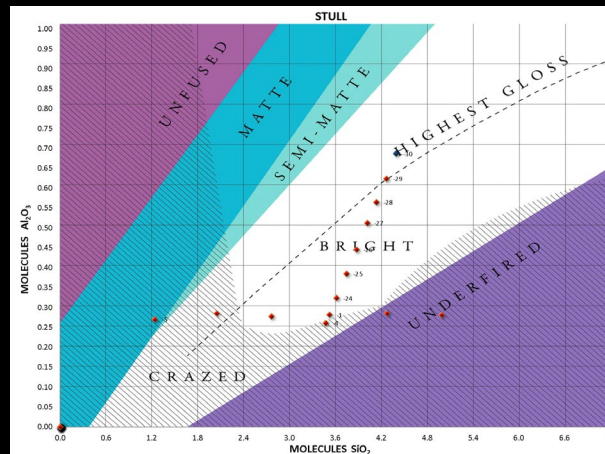
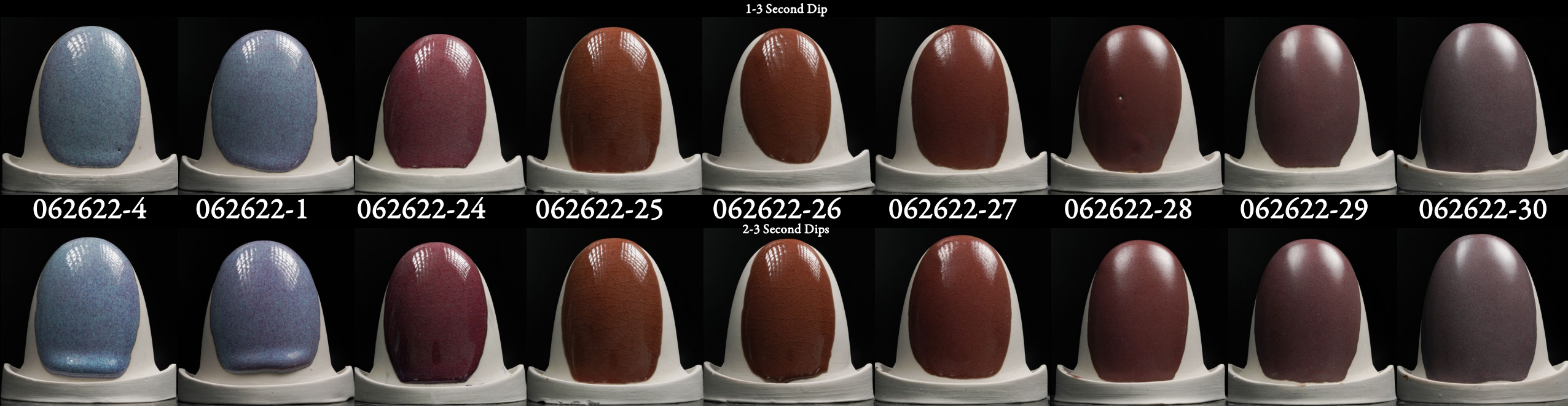
2-3 Second Dips



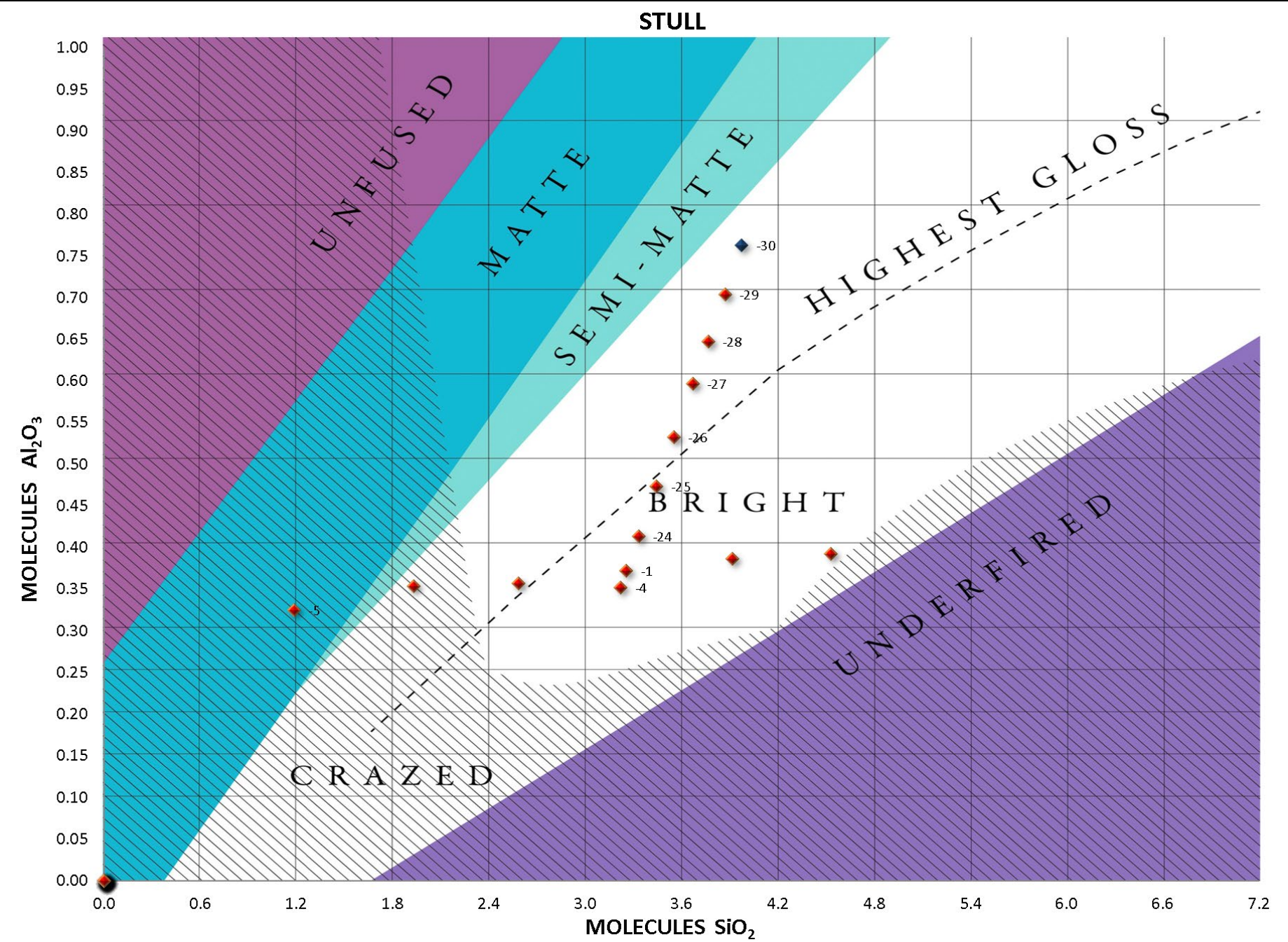
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Alumina Variations-Reduction



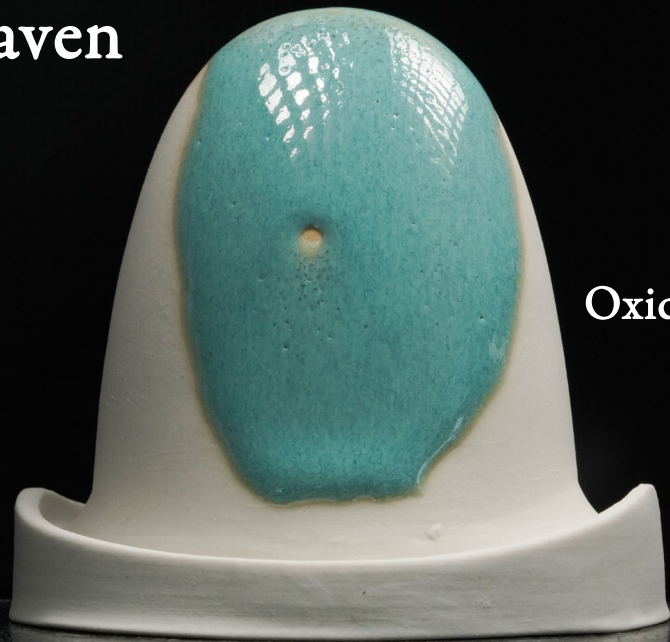
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My Blue Heaven

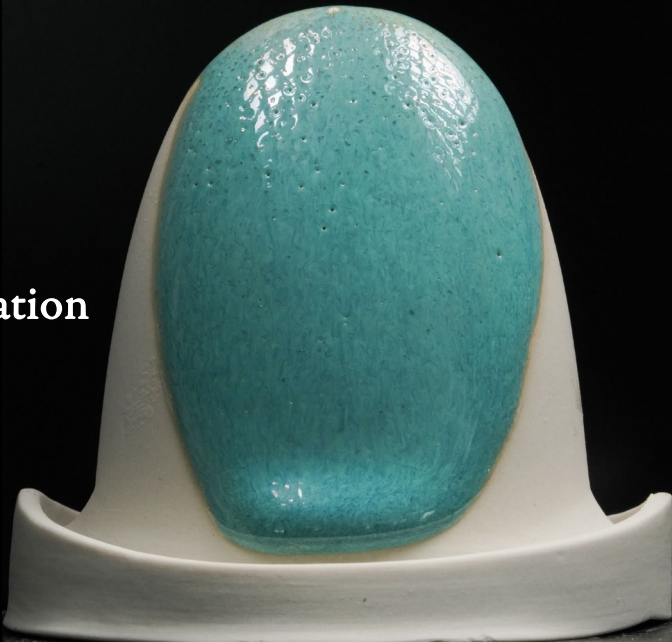
Original
062622-1

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

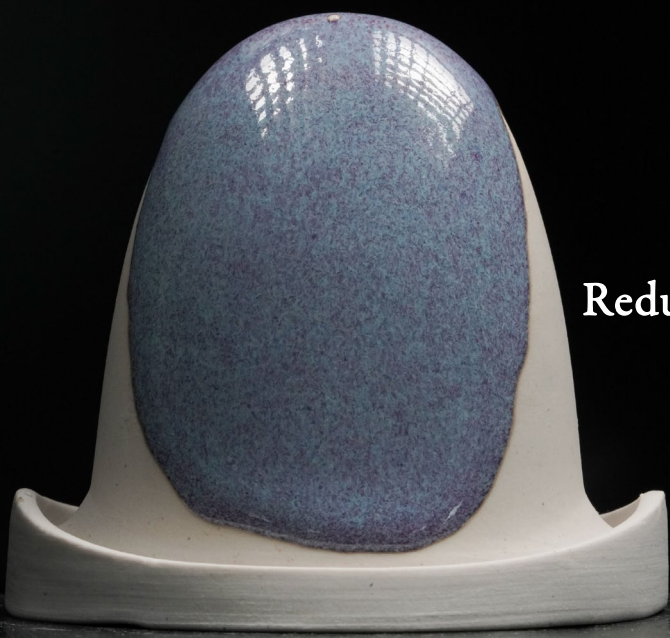


Oxidation

1-3 Second Dip



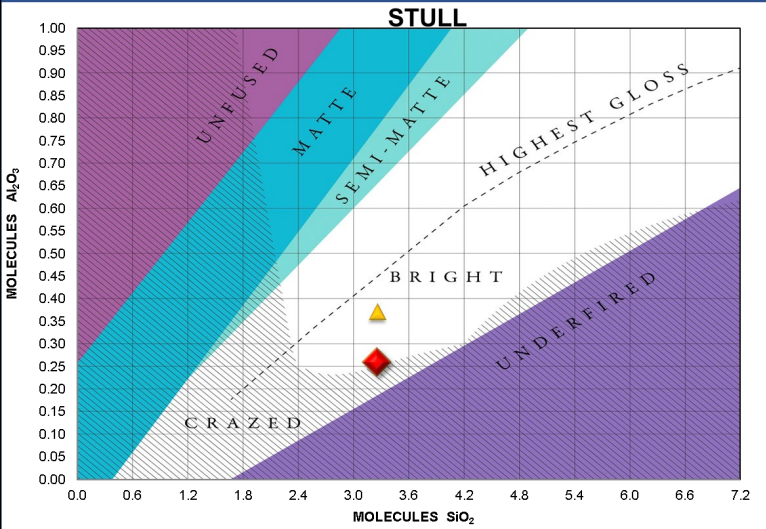
2-3 Second Dips



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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My Blue Heaven

w/o Kaolin
062622-4

Neph Sy	33.72
Whiting	22.57
EPK	
Flint	41.75
Bentonite	1.96
Titanium Dioxide	2.92
Copper Carbonate	2.12
Tin Oxide	1.06
Water	60



Oxidation

1-3 Second Dip



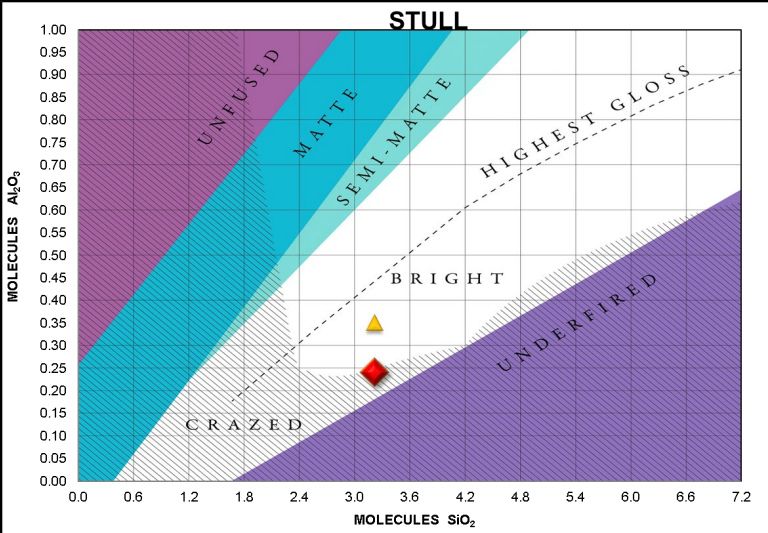
2-3 Second Dips



Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 13.31 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.48	Collective "Al ₂ O ₃ " 0.26	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.75
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 9.14 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.22	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.70
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



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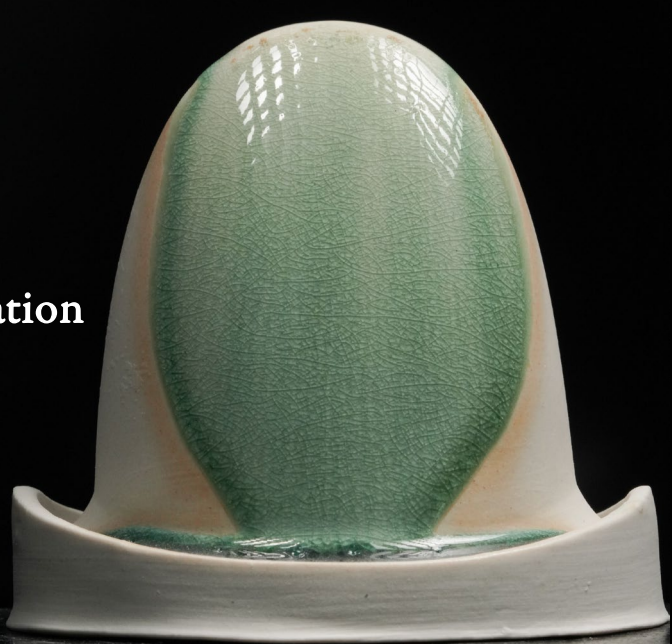
My Blue Heaven

w/o Silica
062622-5

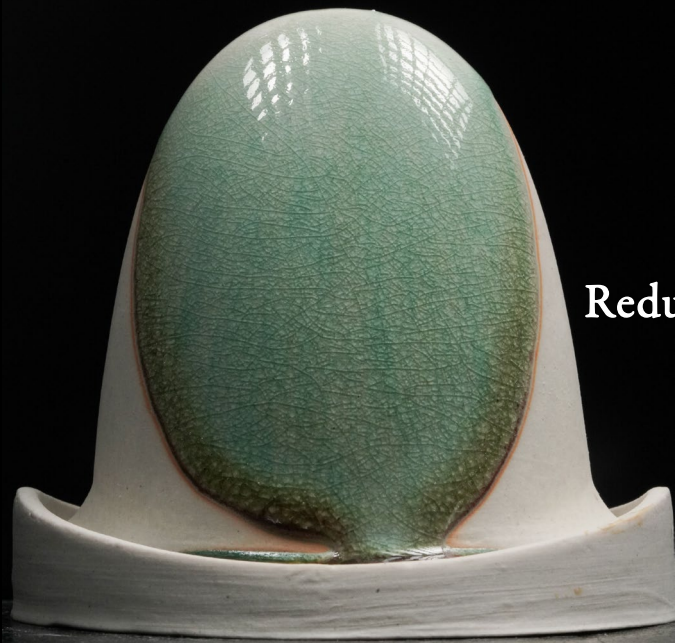
Neph Sy	57.01
Whiting	38.17
EPK	2.86
Flint	
Bentonite	1.96
Titanium Dioxide	2.92
Copper Carbonate	2.12
Tin Oxide	1.06
Water	60



1-3 Second Dip



2-3 Second Dips



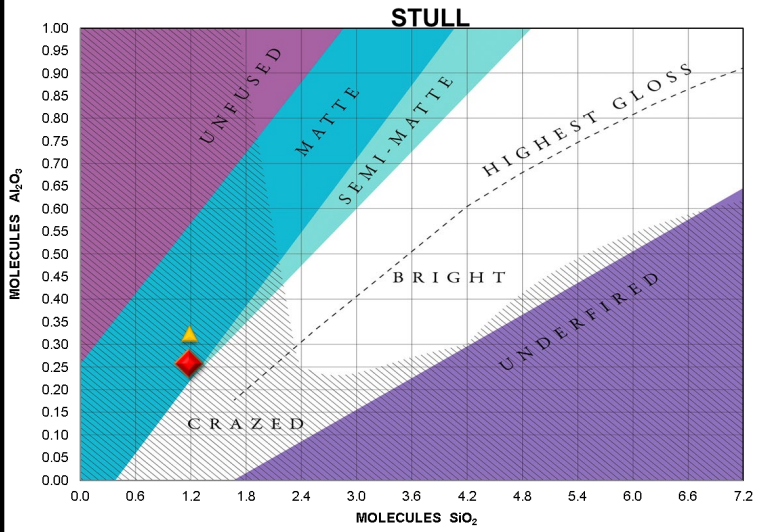
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.59 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 1.24	Collective "Al ₂ O ₃ " 0.27	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.76
B ₂ O ₃	Al ₂ O ₃ 0.27	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 3.64 :1		Alkali Metals 0.27		Alkaline Earths 0.73	
SiO ₂ 1.18	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.72
B ₂ O ₃	Al ₂ O ₃ 0.26	Li ₂ O	CuO 0.03	SrO	BaO
TiO ₂ 0.07	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



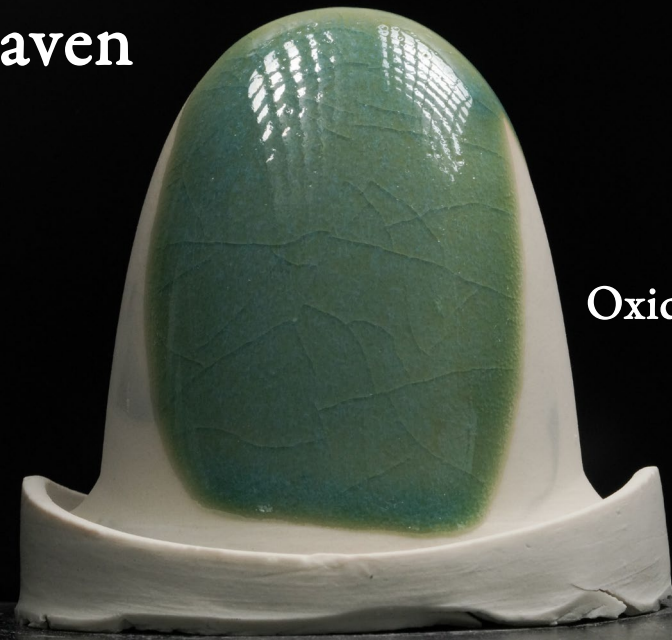
Ceramic
Materials
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My Blue Heaven

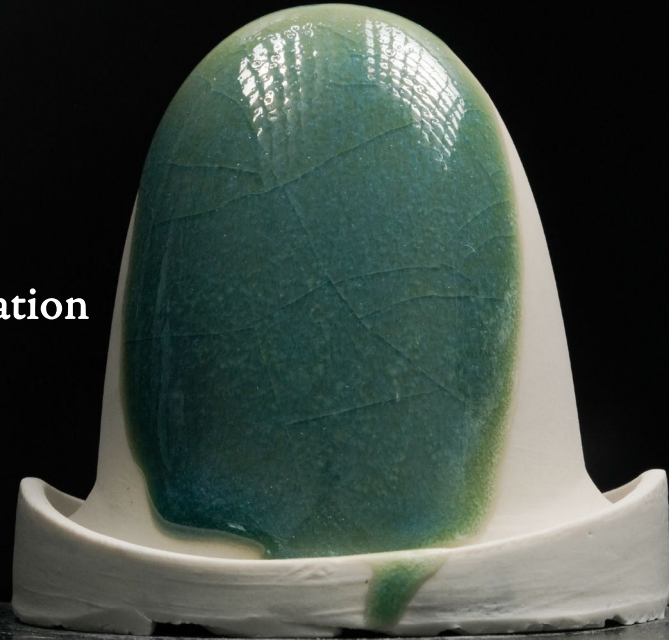
Mapping
Kaolin 2

062622-24

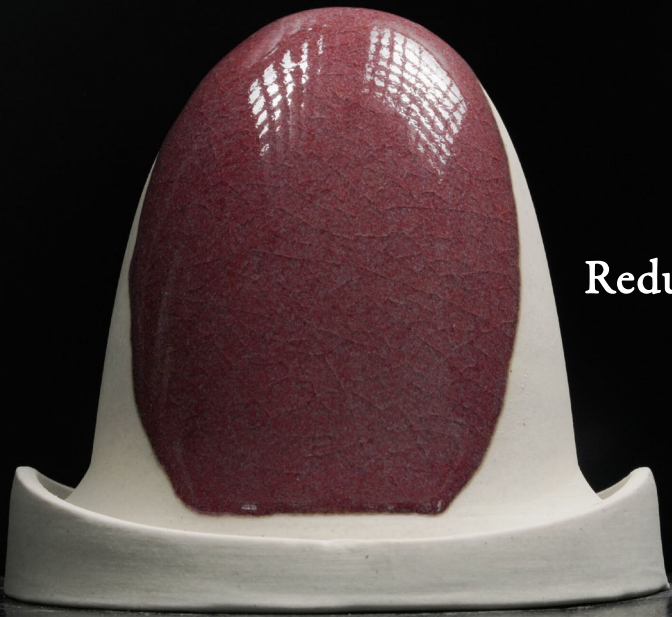
Neph Sy	31.92
Whiting	21.37
EPK	5.07
Flint	39.52
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

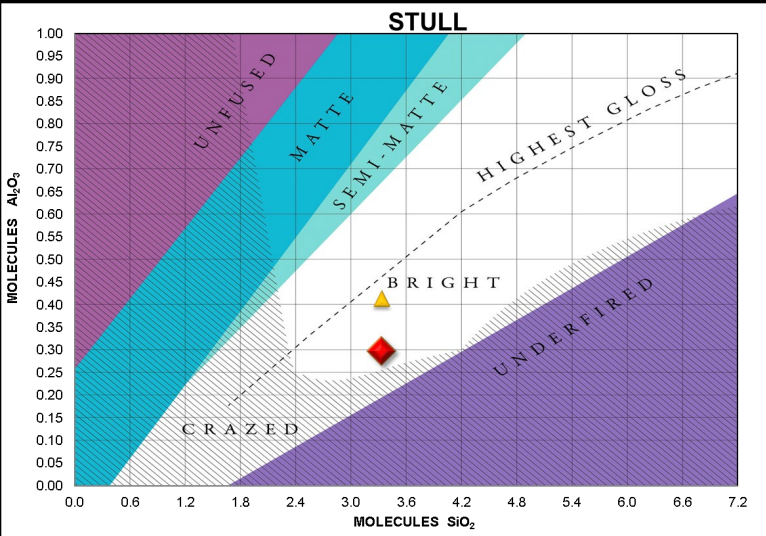


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 11.16 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.61	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.75
B ₂ O ₃	Al ₂ O ₃ 0.32	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 8.06 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.33	Collective "Al ₂ O ₃ " 0.41	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.30	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



Ceramic
Materials
Workshop

My Blue Heaven

Mapping
Kaolin 4
062622-25

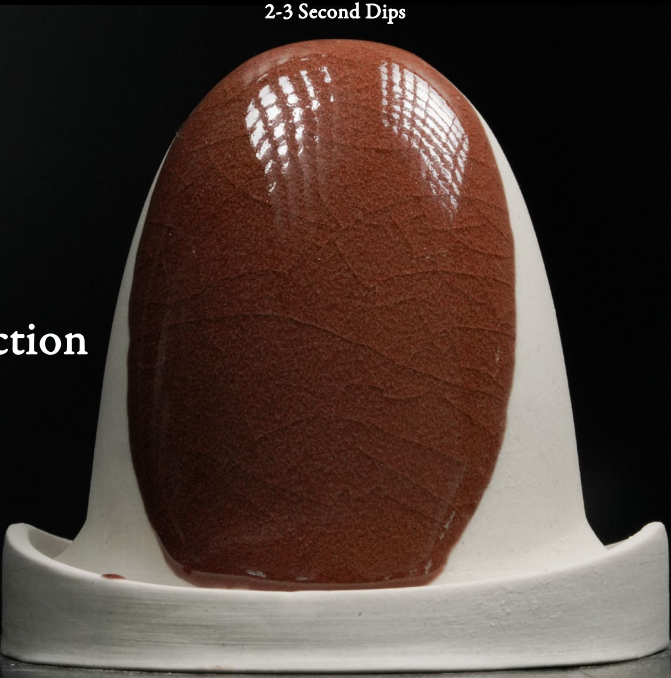
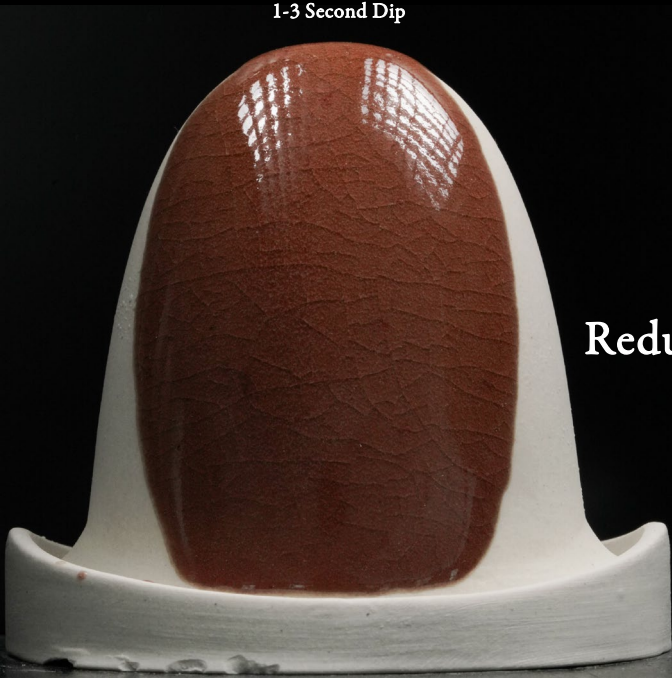
Neph Sy	30.34
Whiting	20.32
EPK	9.65
Flint	37.57
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



1-3 Second Dip



2-3 Second Dips

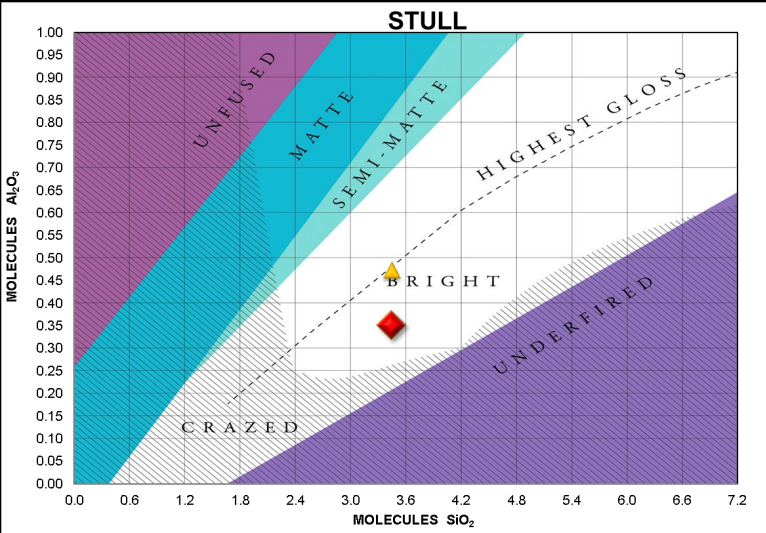


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 9.74 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.75	Collective "Al ₂ O ₃ " 0.38	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.75
B ₂ O ₃	Al ₂ O ₃ 0.38	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 7.27 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.44	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.69
B ₂ O ₃	Al ₂ O ₃ 0.35	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

Mapping
Kaolin 5

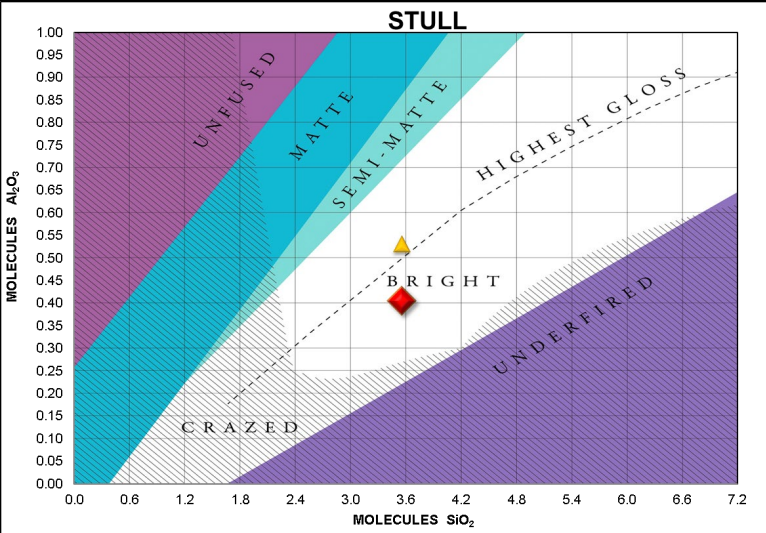
062622-26

Neph Sy	28.92
Whiting	19.36
EPK	13.79
Flint	35.81
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



UMF

SiO ₂ :Al ₂ O ₃ Ratio 8.71 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 3.88	Collective "Al ₂ O ₃ " 0.45	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.74
B ₂ O ₃	Al ₂ O ₃ 0.44	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 6.67 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.55	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.68
B ₂ O ₃	Al ₂ O ₃ 0.40	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
Workshop

My Blue Heaven

Mapping
Kaolin 6
062622-27

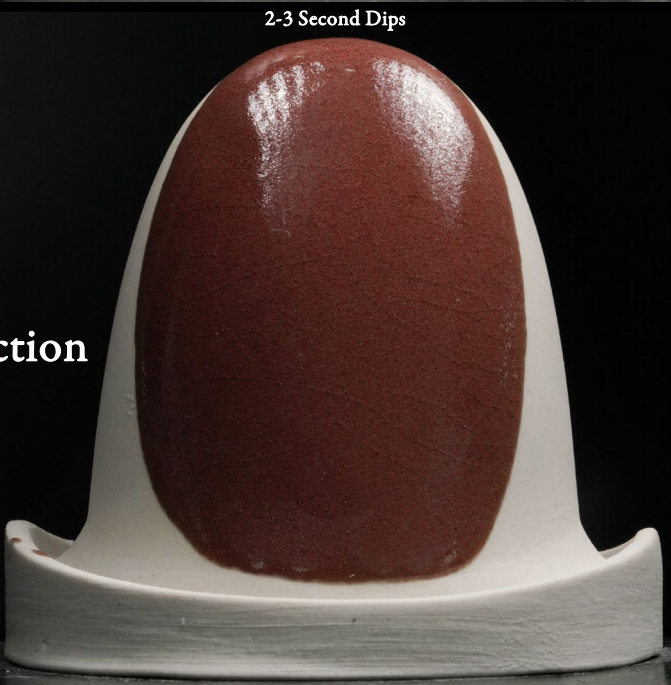
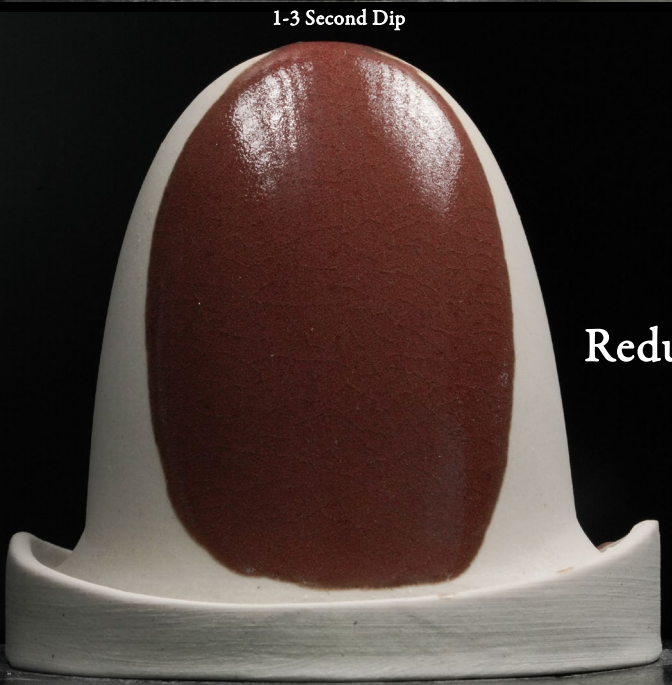
Neph Sy	28.78
Whiting	18.20
EPK	17.28
Flint	33.66
Bentonite	2.08
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	70



1-3 Second Dip



2-3 Second Dips

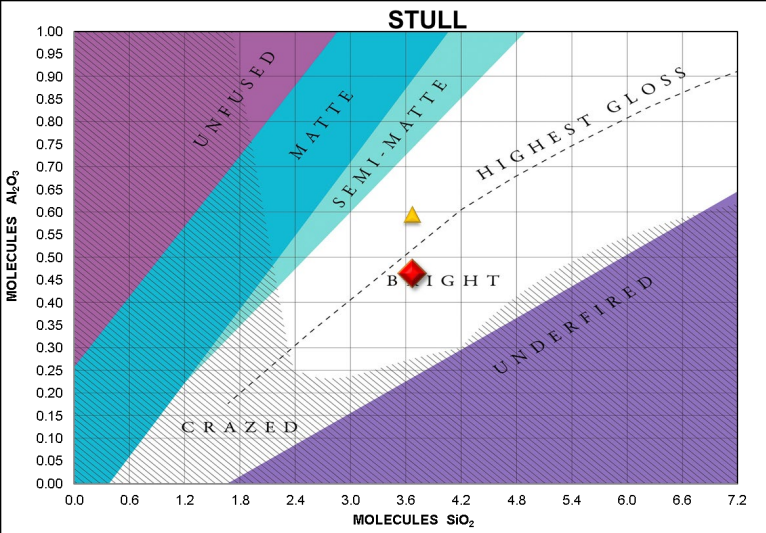


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.84 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 4.02	Collective "Al ₂ O ₃ " 0.51	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.01	CaO 0.73
B ₂ O ₃	Al ₂ O ₃ 0.51	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 6.15 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.67	Collective "Al ₂ O ₃ " 0.60	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.01	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.46	Li ₂ O	CuO 0.06	SrO	BaO
TiO ₂ 0.13	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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My Blue Heaven

Mapping
Kaolin 7

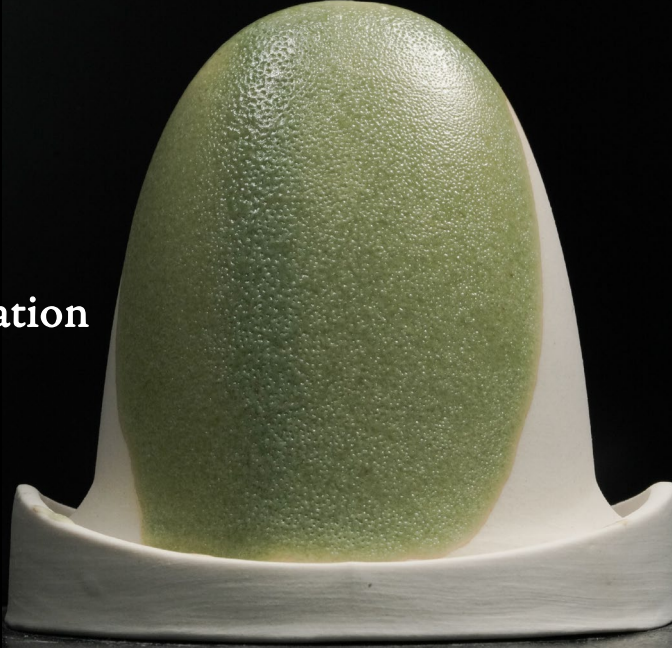
062622-28

Neph Sy	26.44
Whiting	17.70
EPK	21.01
Flint	32.74
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	80

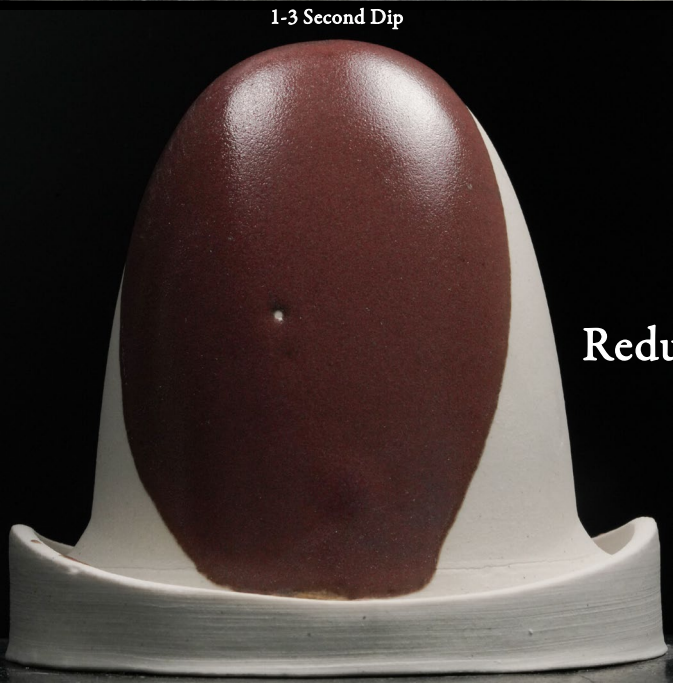


Oxidation

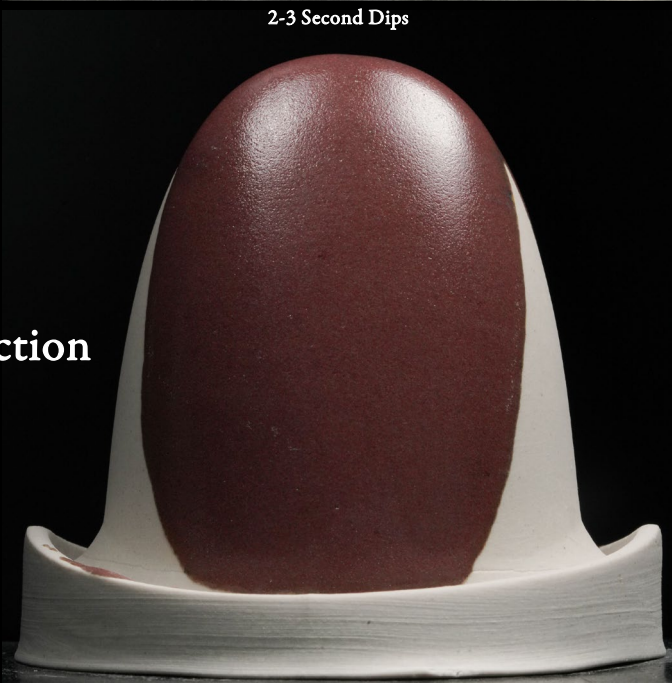
1-3 Second Dip



2-3 Second Dips

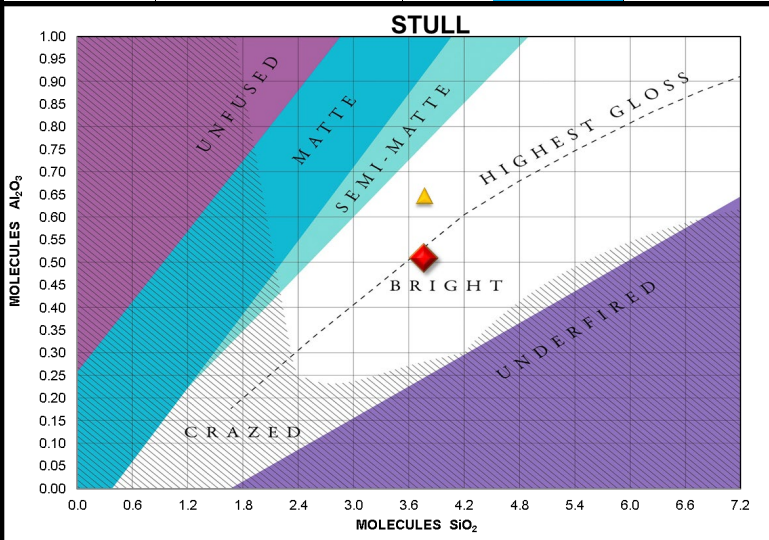


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.32 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 4.14	Collective "Al ₂ O ₃ " 0.56	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.01	CaO 0.74
B ₂ O ₃	Al ₂ O ₃ 0.56	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 5.82 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 3.77	Collective "Al ₂ O ₃ " 0.65	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.51	Li ₂ O	CuO 0.06	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		MnO ₂	CoO



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Mapping
Kaolin 8

062622-29

Neph Sy	25.35
Whiting	16.97
EPK	24.18
Flint	31.39
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	80



1-3 Second Dip



2-3 Second Dips



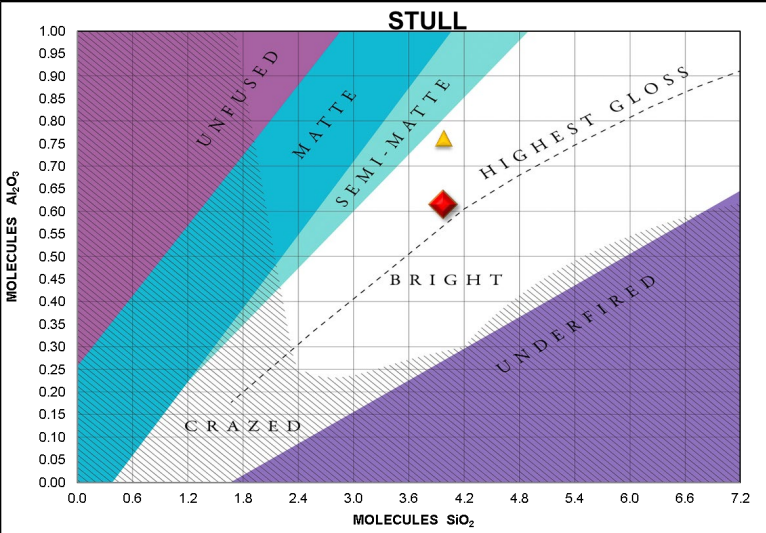
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 6.41 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 4.40	Collective "Al ₂ O ₃ " 0.69	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.01	CaO 0.72
B ₂ O ₃	Al ₂ O ₃ 0.68	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



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.21 :1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.98	Collective "Al ₂ O ₃ " 0.76	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.61	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.15	NiO	Bi ₂ O ₃	SnO ₂ 0.03	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



Ceramic
Materials
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My Blue Heaven

Mapping
Kaolin 9

062622-30

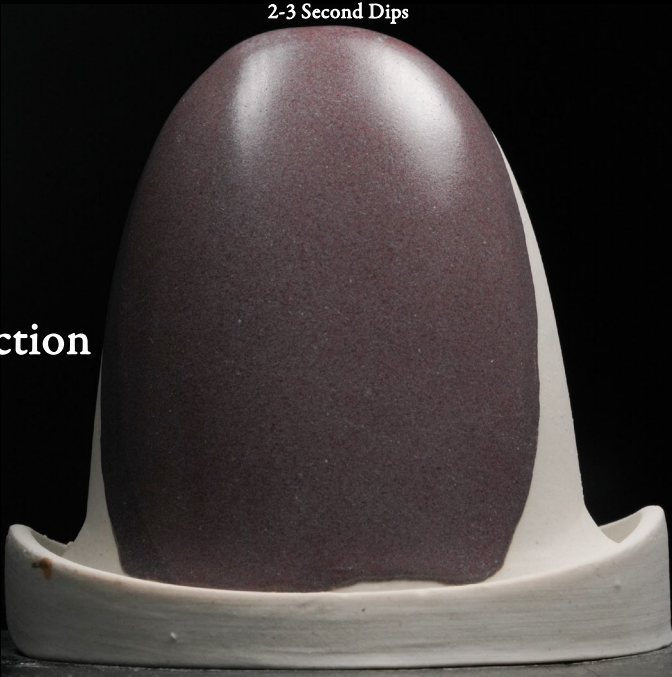
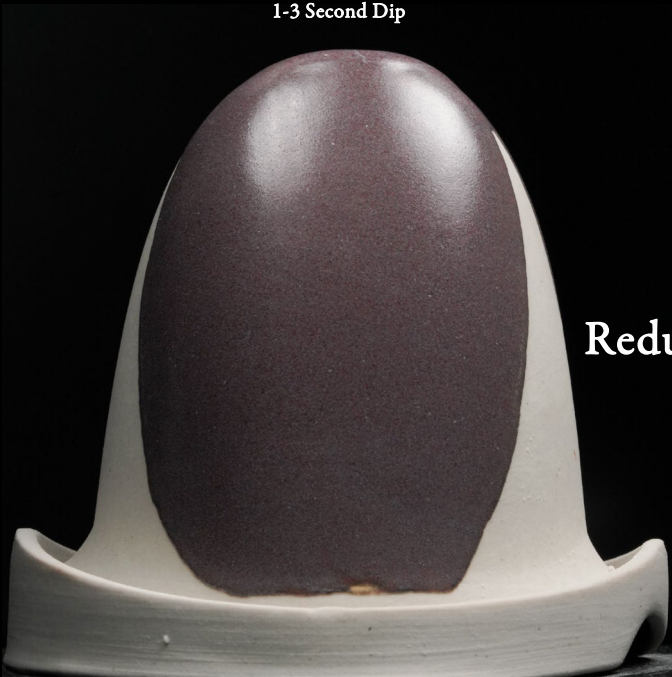
Neph Sy	25.27
Whiting	16.10
EPK	26.76
Flint	29.78
Bentonite	2.09
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	80



1-3 Second Dip



2-3 Second Dips

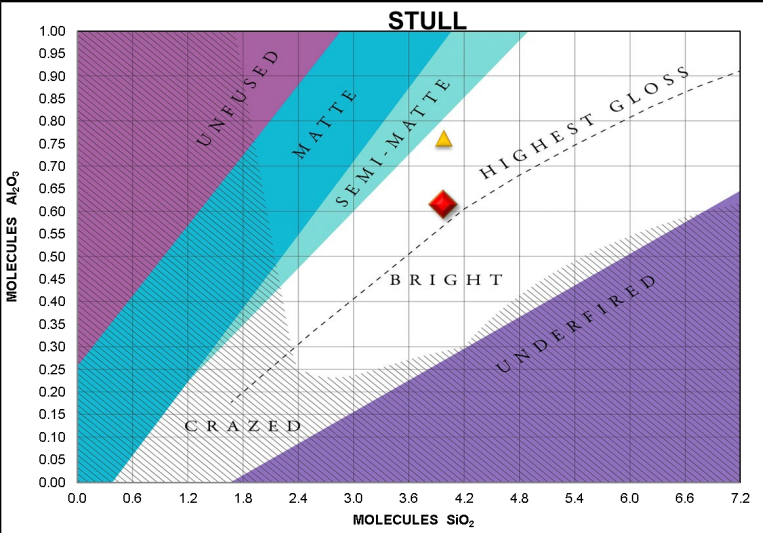


Reduction

Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 6.41 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 4.40	Collective "Al ₂ O ₃ " 0.69	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.01	CaO 0.72
B ₂ O ₃	Al ₂ O ₃ 0.68	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



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.21 : 1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 3.98	Collective "Al ₂ O ₃ " 0.76	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.01	CaO 0.65
B ₂ O ₃	Al ₂ O ₃ 0.61	Li ₂ O	CuO 0.07	SrO	BaO
TiO ₂ 0.15	NiO	Bi ₂ O ₃	SnO ₂ 0.03	ZnO	FeO 0.02
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



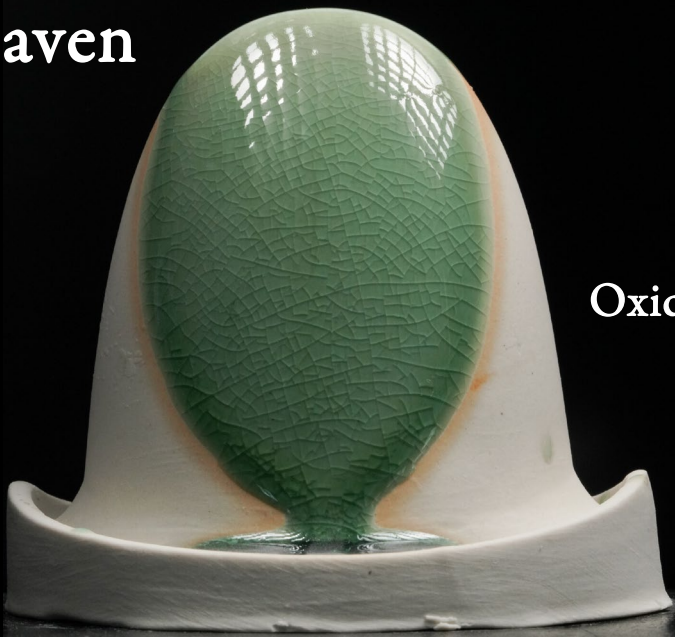
Ceramic
Materials
Workshop

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Mapping
Silica 2

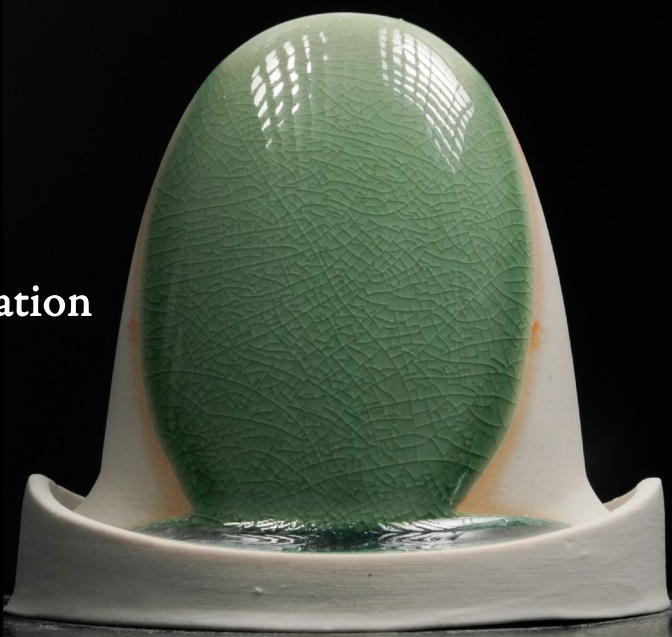
062622-31

Neph Sy	47.49
Whiting	29.84
EPK	2.23
Flint	18.39
Bentonite	2.05
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



Oxidation

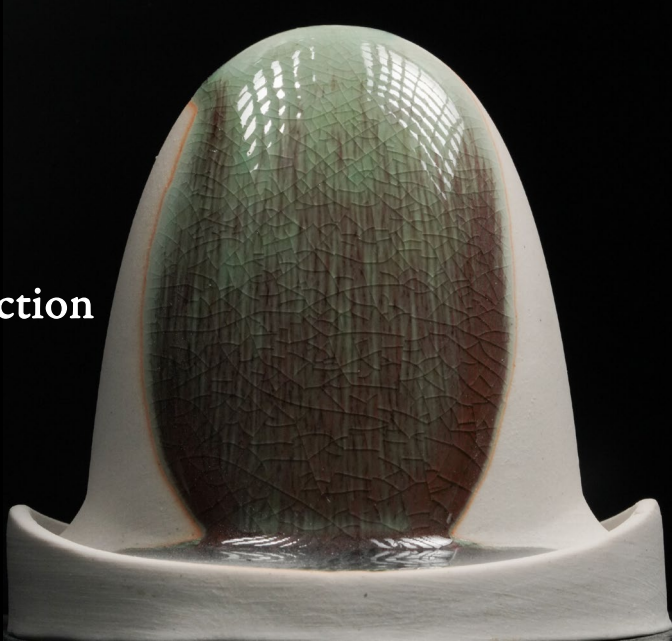
1-3 Second Dip



2-3 Second Dips

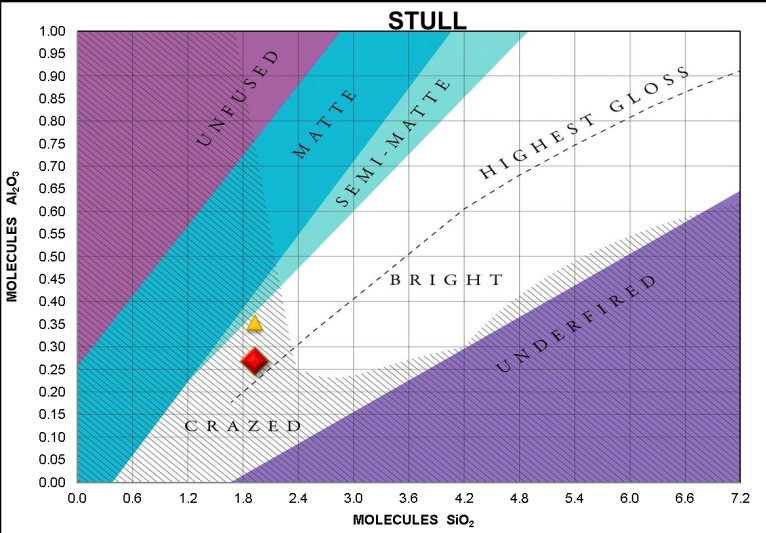


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.17 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.05	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.20	K ₂ O 0.05	MgO 0.00	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 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.46 : 1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 1.93	Collective "Al ₂ O ₃ " 0.35	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.70
B ₂ O ₃	Al ₂ O ₃ 0.27	Li ₂ O	CuO 0.04	SrO	BaO
TiO ₂ 0.09	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



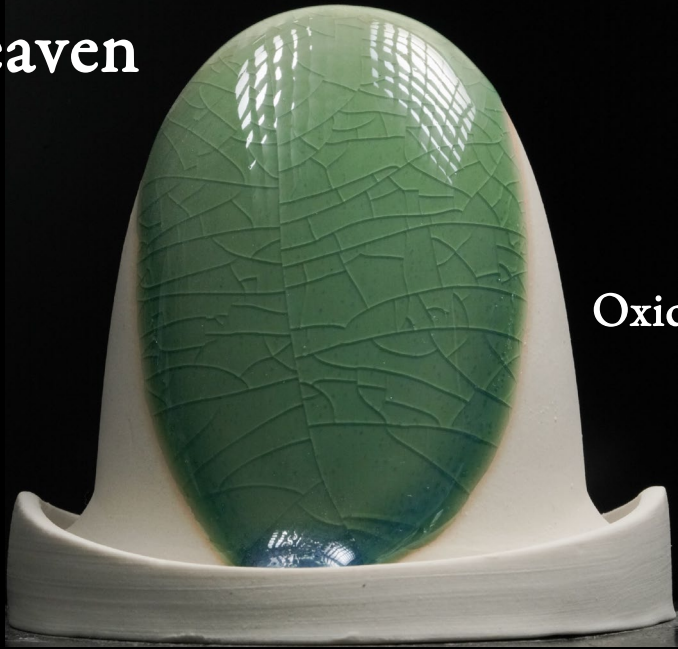
Ceramic
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Workshop

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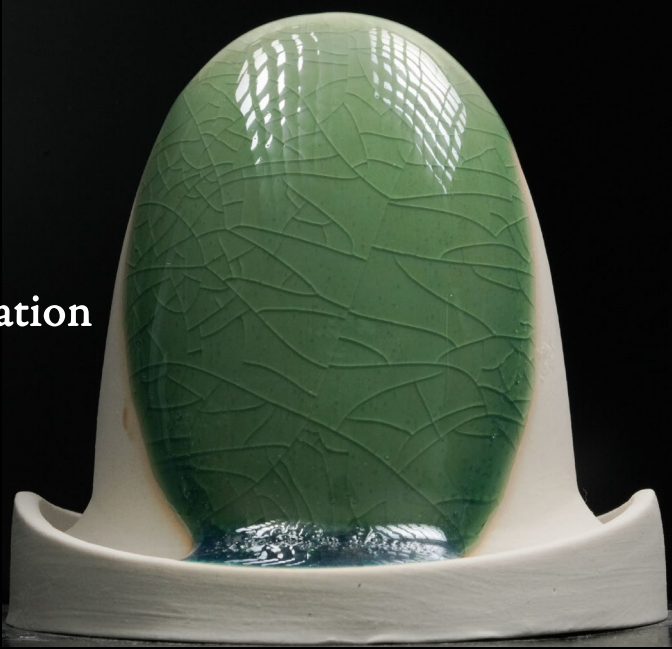
Mapping
Silica 3

062622-32

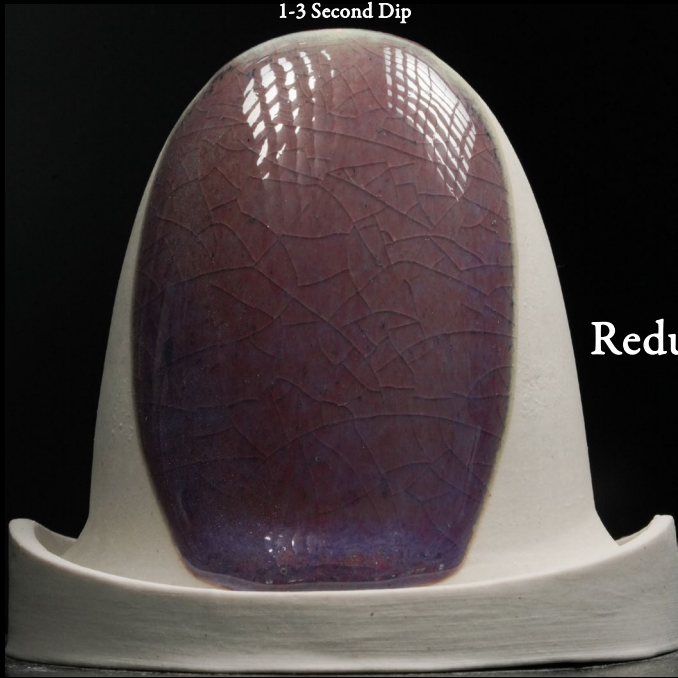
Neph Sy	38.46
Whiting	25.75
EPK	1.93
Flint	31.74
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



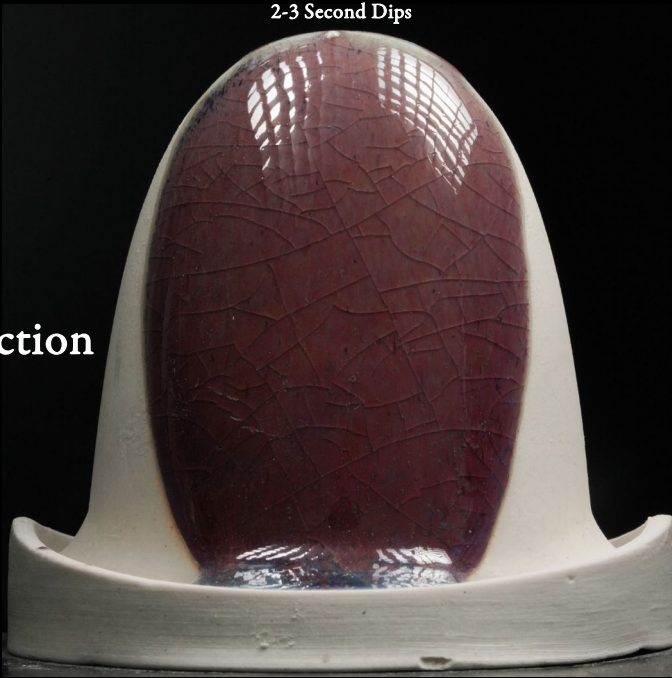
1-3 Second Dip



2-3 Second Dips



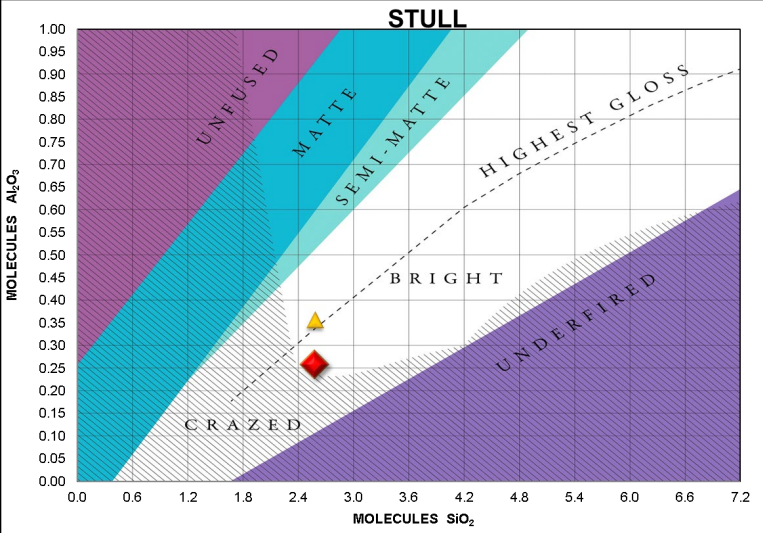
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 9.95 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
iO ₂ .76	Collective "Al ₂ O ₃ " 0.28	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.75
zO ₃	Al ₂ O ₃ 0.28	Li ₂ O	CuO	SrO	BaO
iO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
i ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 7.23 :1		Alkali Metals 0.29		Alkaline Earths 0.71	
SiO ₂ 2.58	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.70
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 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



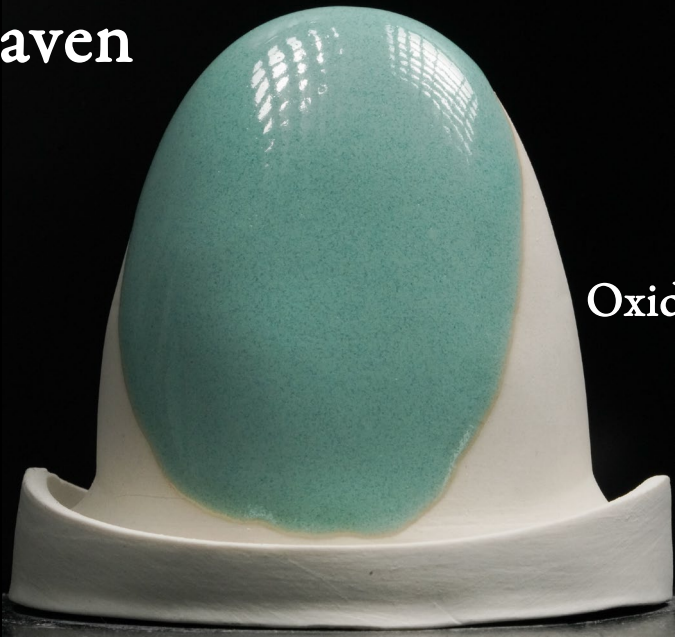
Ceramic
Materials
Workshop

My Blue Heaven

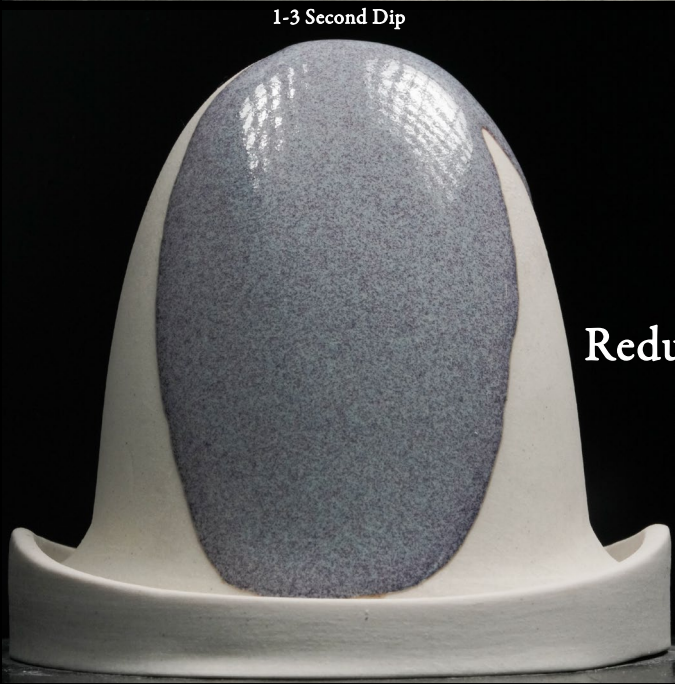
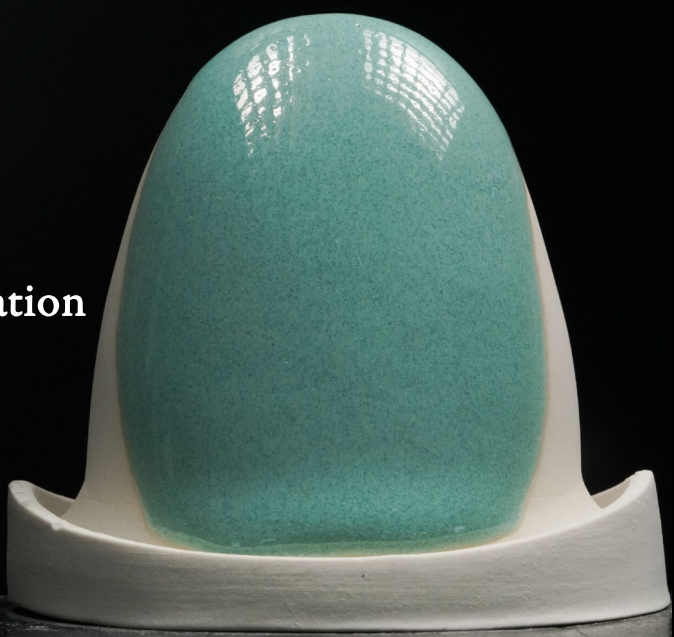
Mapping
Silica 5

062622-33

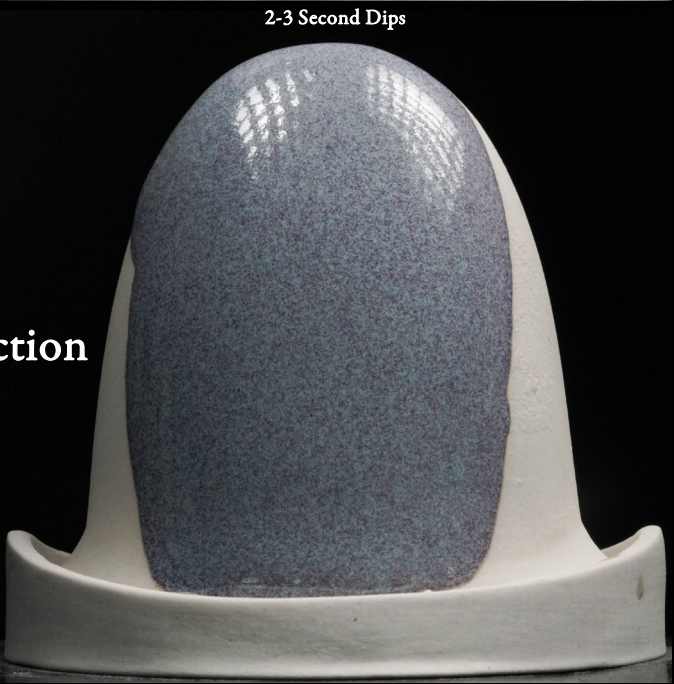
Neph Sy	29.04
Whiting	19.45
EPK	1.45
Flint	47.95
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



Oxidation

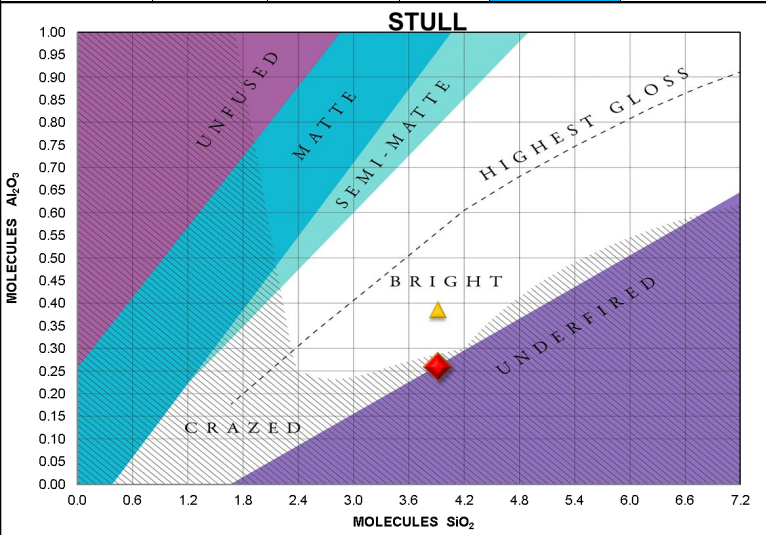


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 14.99 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 4.27	Collective "Al ₂ O ₃ " 0.29	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.01	CaO 0.75
B ₂ O ₃ 0.28	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 10.14 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 3.91	Collective "Al ₂ O ₃ " 0.39	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 0.06	SrO	BaO
TiO ₂ 0.13	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



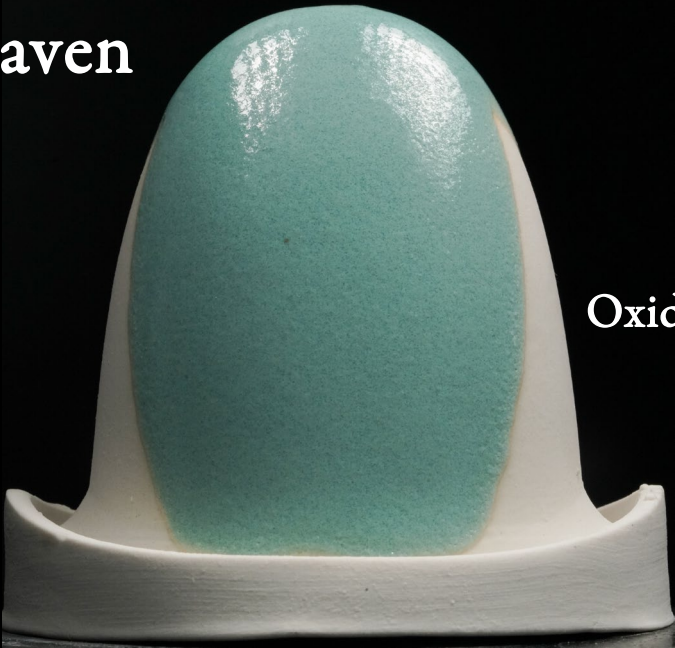
Ceramic
Materials
Workshop

My Blue Heaven

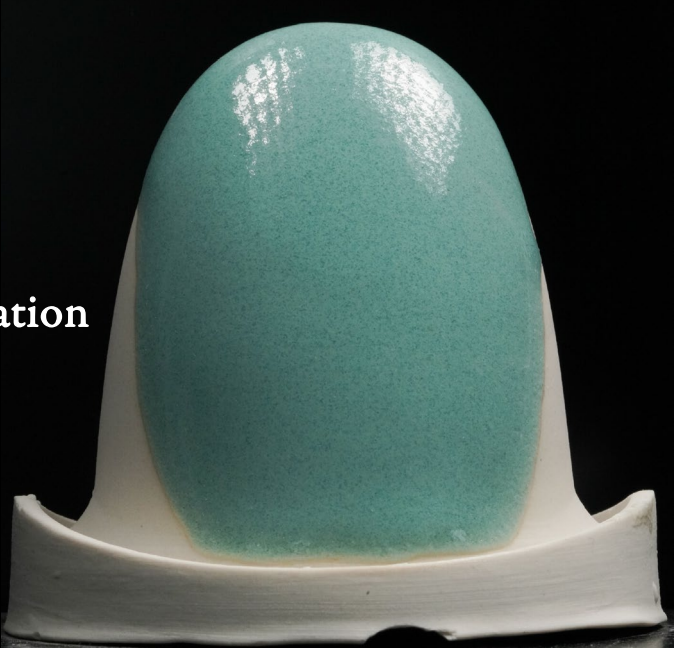
Mapping
Silica 6

062622-34

Neph Sy	27.01
Whiting	17.30
EPK	0.26
Flint	53.32
Bentonite	2.11
Titanium Dioxide	2.90
Copper Carbonate	2.10
Tin Oxide	1.05
Water	60



Oxidation

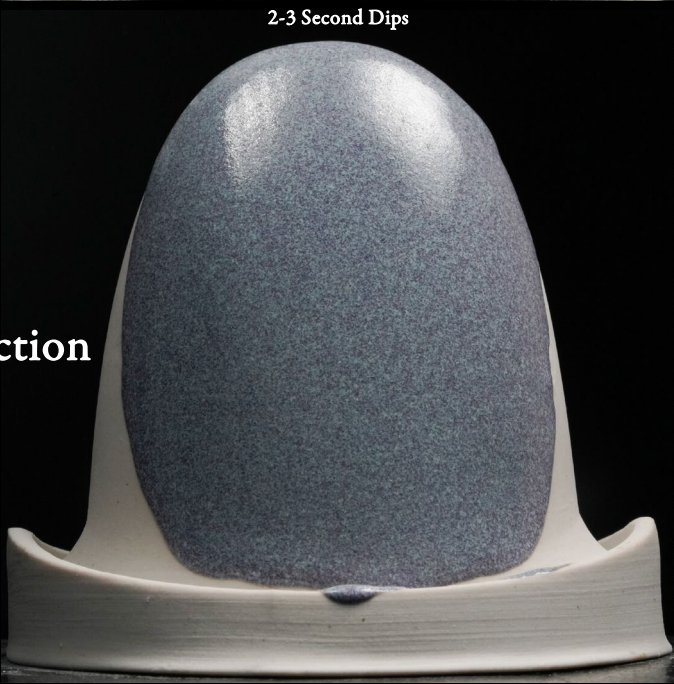


1-3 Second Dip

2-3 Second Dips

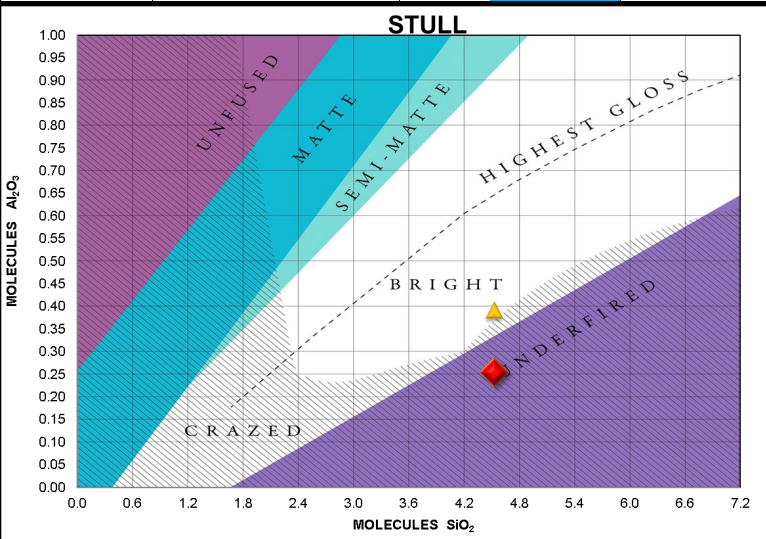


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 17.74 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 4.99	Collective "Al ₂ O ₃ " 0.28	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 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 11.56 :1		Alkali Metals 0.32		Alkaline Earths 0.68	
SiO ₂ 4.53	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.01	CaO 0.67
B ₂ O ₃	Al ₂ O ₃ 0.25	Li ₂ O	CuO 0.07	SrO	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
Materials
Workshop