

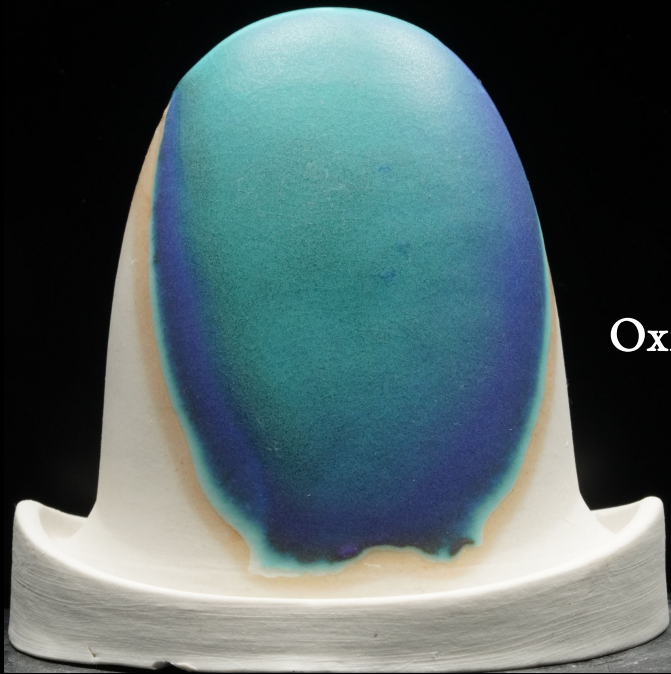
Peacock- Δ 10

Lab 1-Pick-A-Part

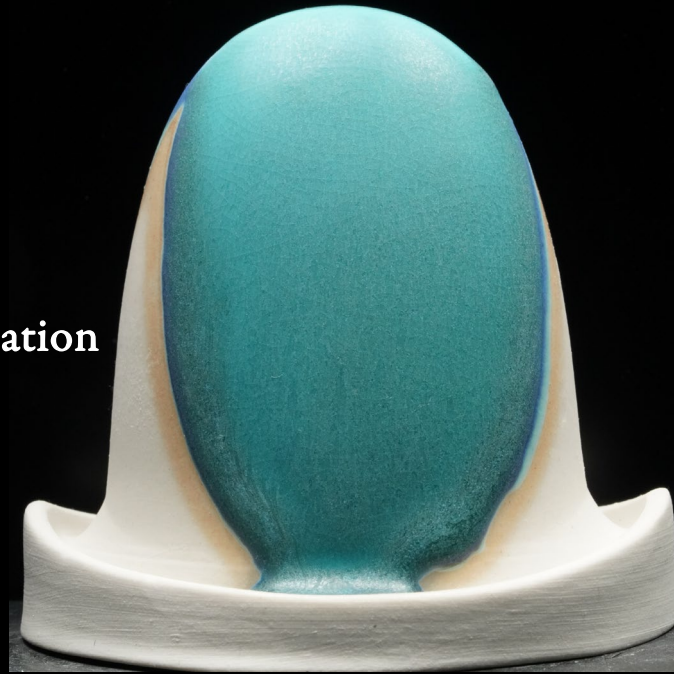
Peacock

Original
062922-1

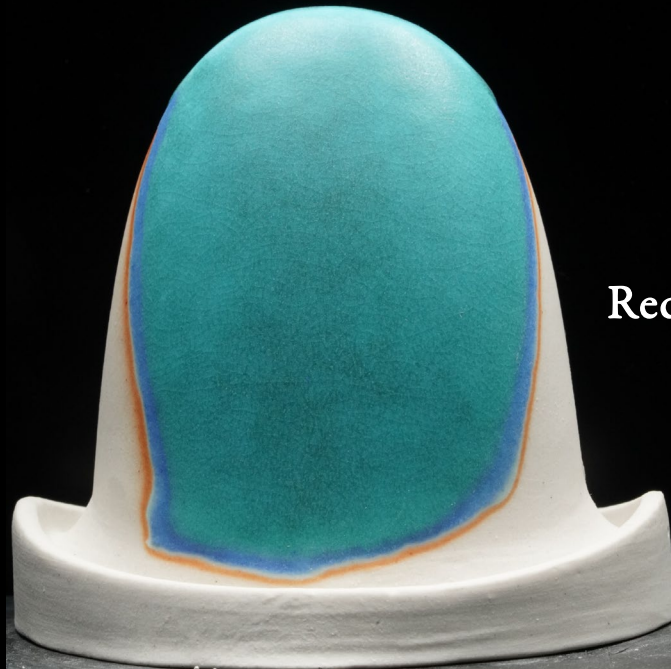
Neph Sy	36.62
Barium Carb	46.57
EPK	6.63
Flint	10.19
Copper Carbonate	3.09
Water	70



1-3 Second Dip



2-3 Second Dips

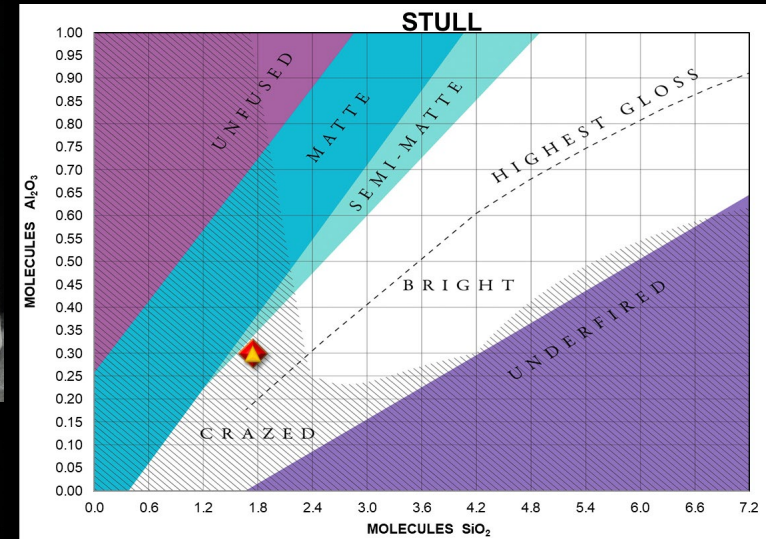


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.80 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.88	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.32	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 5.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.74	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO 0.07	SrO	BaO 0.69
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Lab 1-Oxidation



062922-1



062922-2



062922-3



062922-4



062922-5



062922-6



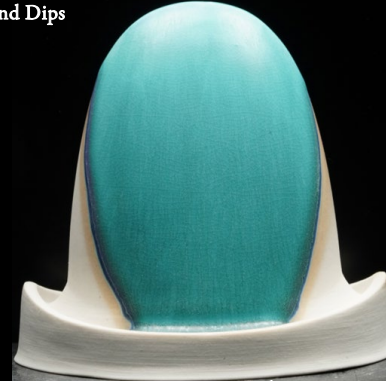
Original



w/o Neph Sy



w/o Barium



w/o Kaolin



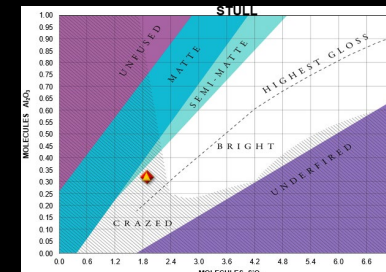
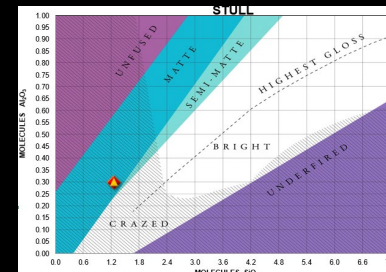
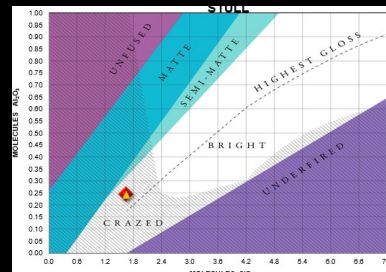
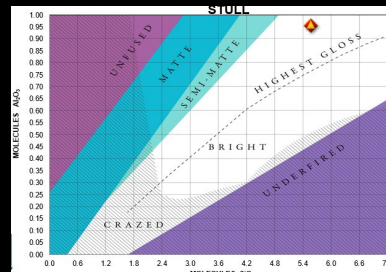
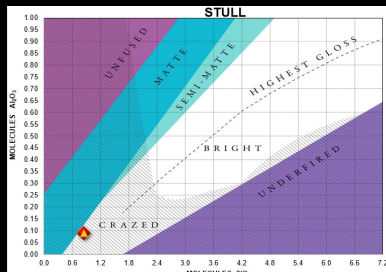
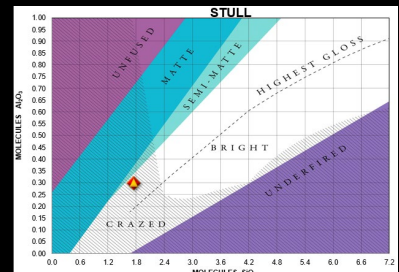
w/o Flint



w/o Colorants

1-3 Second Dip

2-3 Second Dips



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Lab 1-Reduction



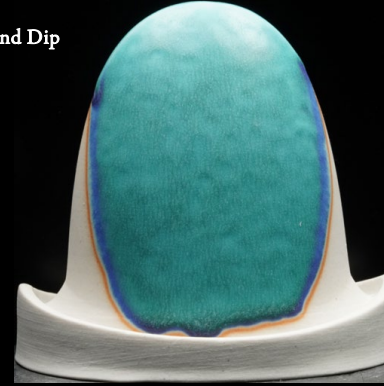
062922-1



062922-2



062922-3



062922-4



062922-5



062922-6

1-3 Second Dip



Original



w/o Neph Sy



w/o Barium



w/o Kaolin

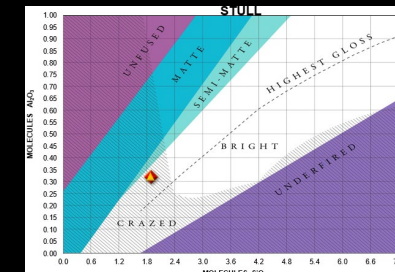
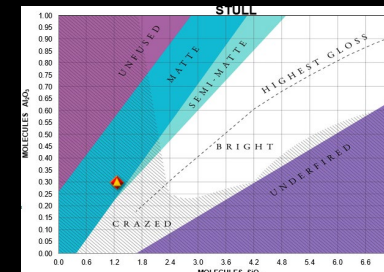
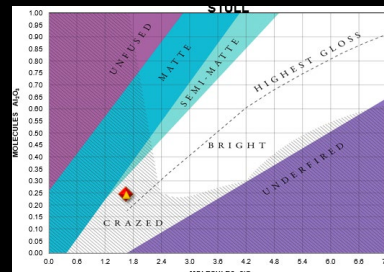
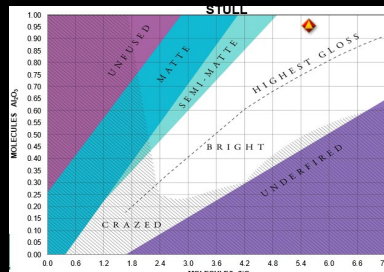
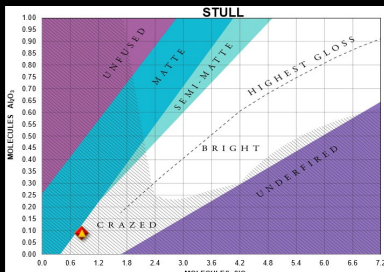
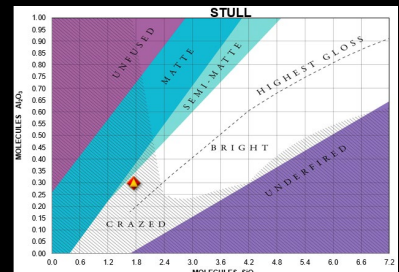


w/o Flint



w/o Colorants

2-3 Second Dips



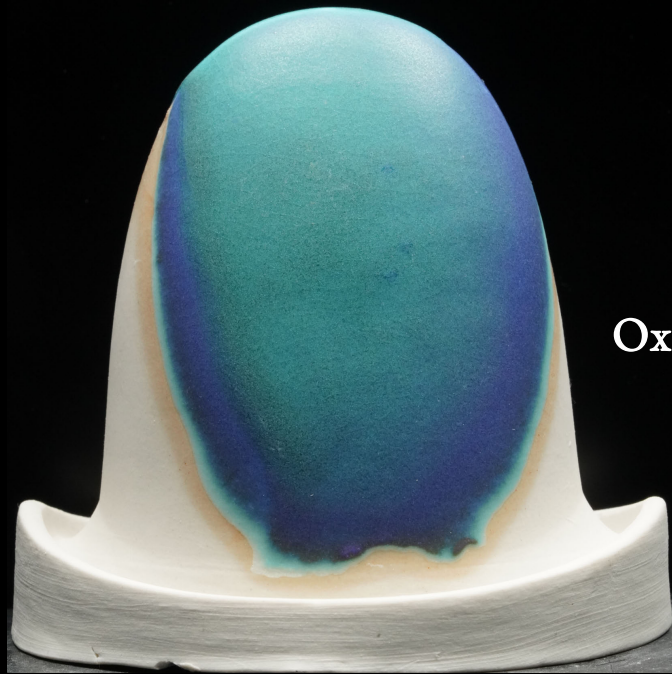
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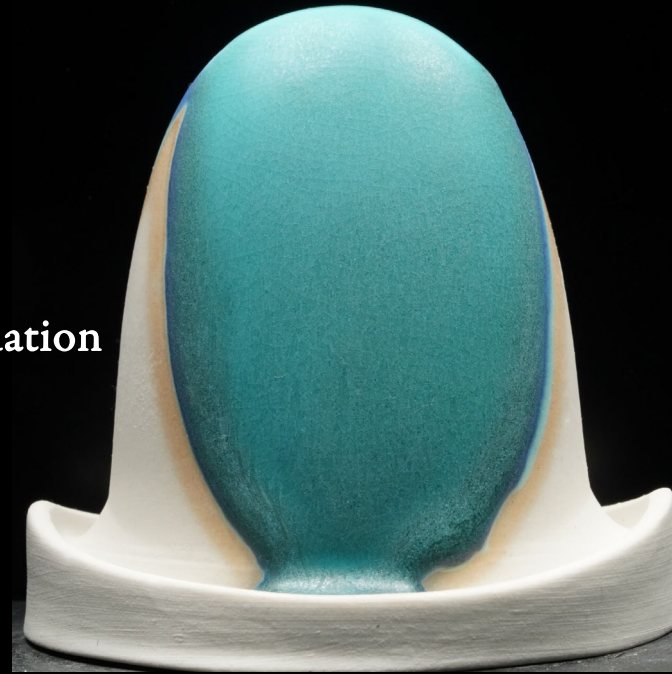
Peacock

Original
062922-1

Neph Sy	36.62
Barium Carb	46.57
EPK	6.63
Flint	10.19
Copper Carbonate	3.09
Water	70



1-3 Second Dip



2-3 Second Dips

Oxidation

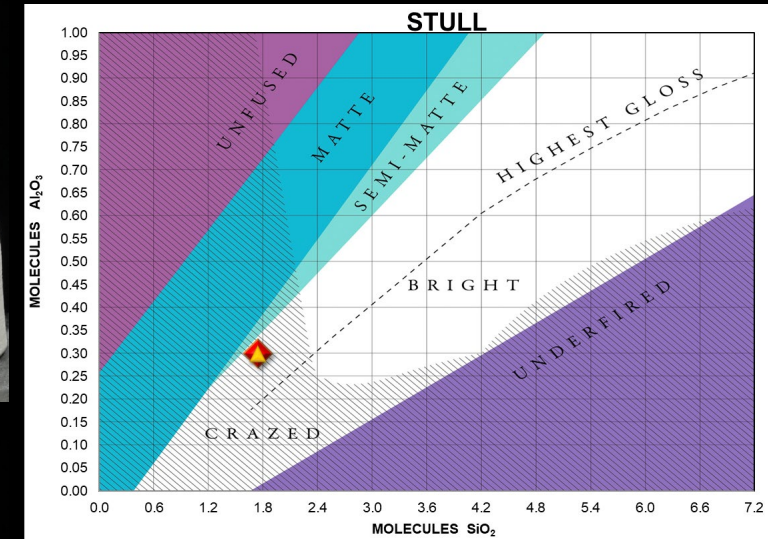


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.80 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.88	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.32	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 5.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.74	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO 0.07	SrO	BaO 0.69
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



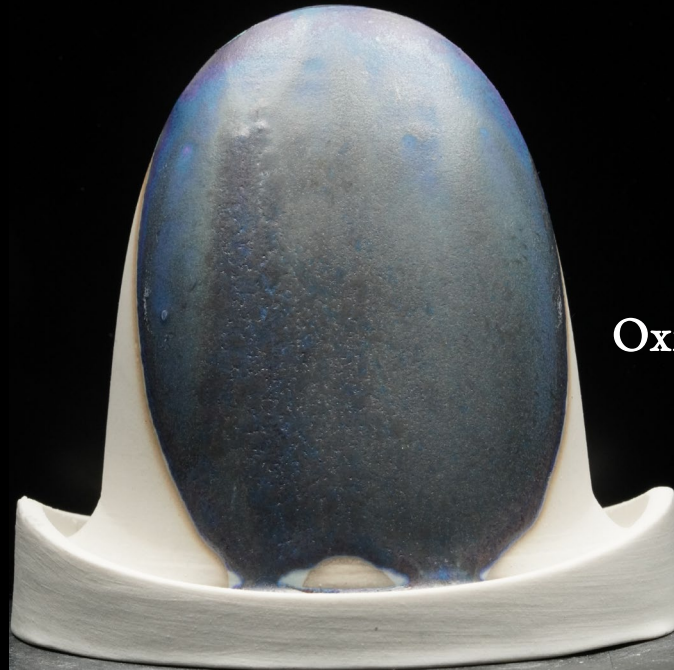
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Peacock

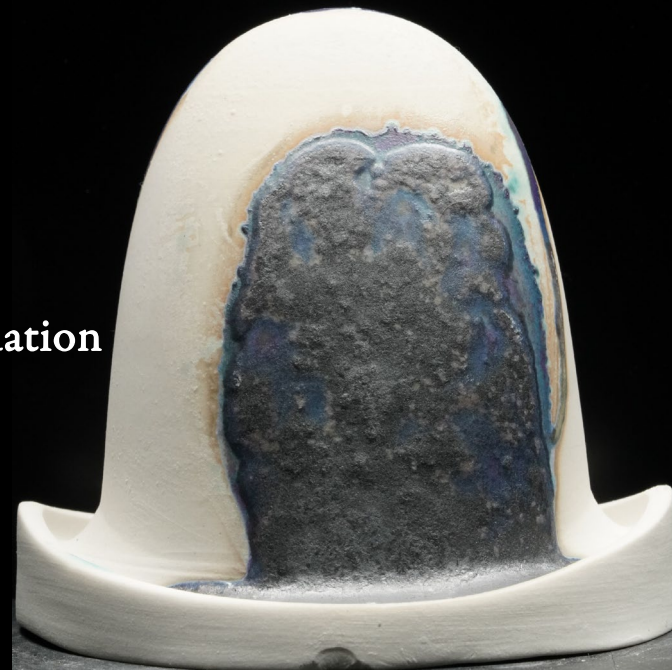
w/o Alkali Metal

062922-2

Neph Sy	
Barium Carb	73.47
EPK	10.46
Flint	16.07
Copper Carbonate	3.09
Water	80



1-3 Second Dip



2-3 Second Dips

Oxidation

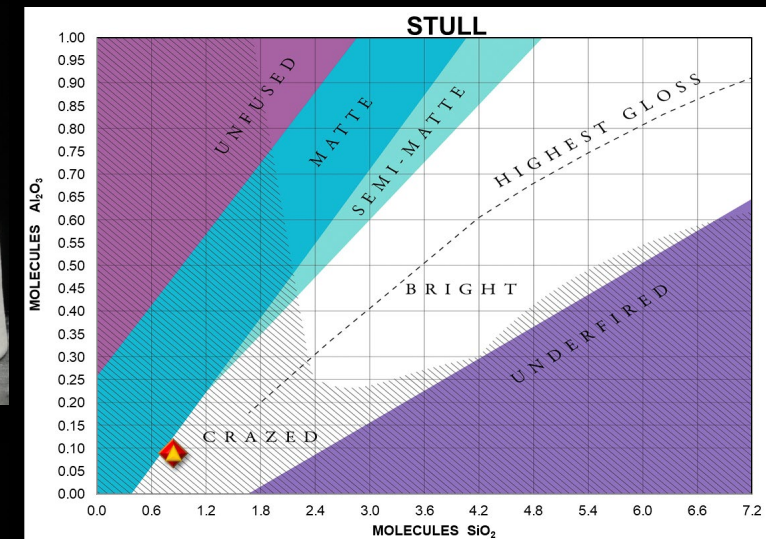


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 9.29 :1		Alkali Metals 0.00		Alkaline Earths 1.00	
SiO ₂ 0.93	Collective "Al ₂ O ₃ " 0.10	Na ₂ O	K ₂ O 0.00	MgO 0.00	CaO 0.00
B ₂ O ₃	Al ₂ O ₃ 0.10	Li ₂ O	CuO	SrO	BaO 0.99
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 9.29 :1		Alkali Metals 0.10		Alkaline Earths 0.90	
SiO ₂ 0.84	Collective "Al ₂ O ₃ " 0.09	Na ₂ O	K ₂ O 0.00	MgO 0.00	CaO 0.00
B ₂ O ₃	Al ₂ O ₃ 0.09	Li ₂ O	CuO 0.10	SrO	BaO 0.90
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



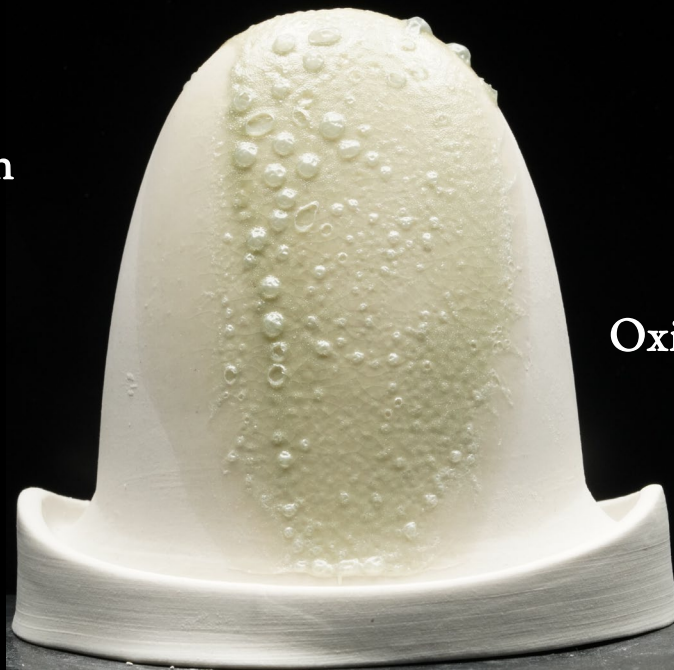
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Peacock

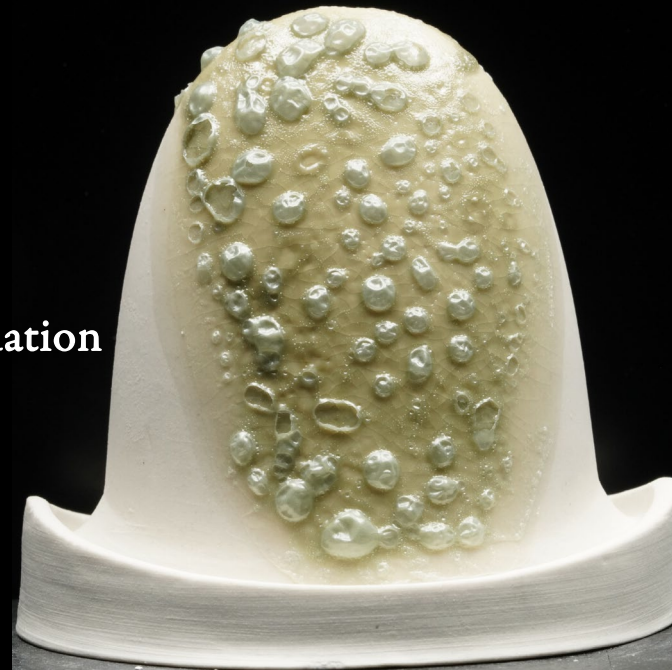
w/o Alkaline Earth

062922-3

Neph Sy	68.53
Barium Carb	
EPK	12.41
Flint	19.07
Copper Carbonate	3.09
Water	70



1-3 Second Dip



2-3 Second Dips

Oxidation

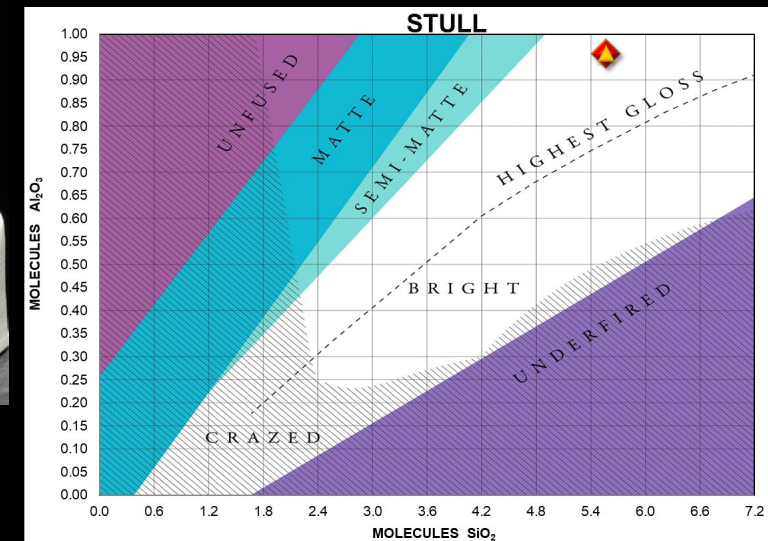


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.80 :1		Alkali Metals 0.95		Alkaline Earths 0.05	
SiO ₂ 7.26	Collective "Al ₂ O ₃ " 1.25	Na ₂ O 0.74	K ₂ O 0.21	MgO 0.01	CaO 0.03
B ₂ O ₃	Al ₂ O ₃ 1.25	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 5.80 :1		Alkali Metals 0.96		Alkaline Earths 0.04	
SiO ₂ 5.57	Collective "Al ₂ O ₃ " 0.96	Na ₂ O 0.57	K ₂ O 0.16	MgO 0.01	CaO 0.02
B ₂ O ₃	Al ₂ O ₃ 0.96	Li ₂ O	CuO 0.23	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



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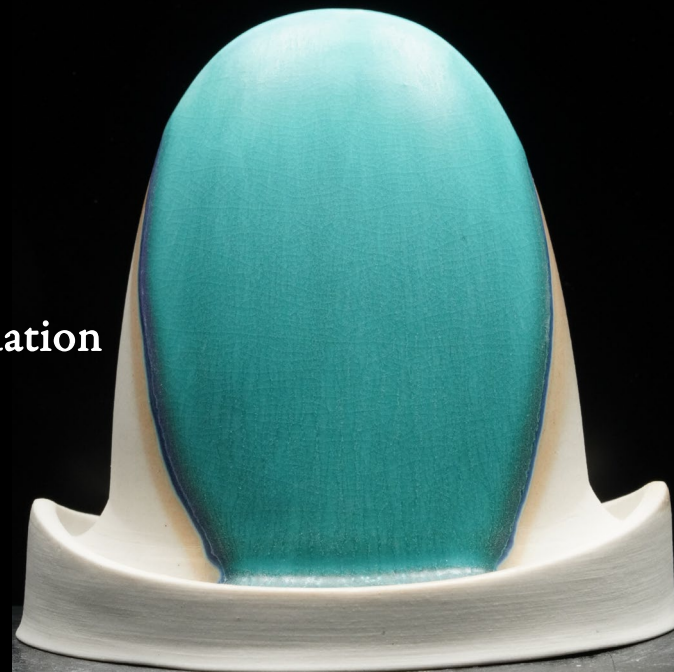
Peacock

w/o Kaolin
062622-4

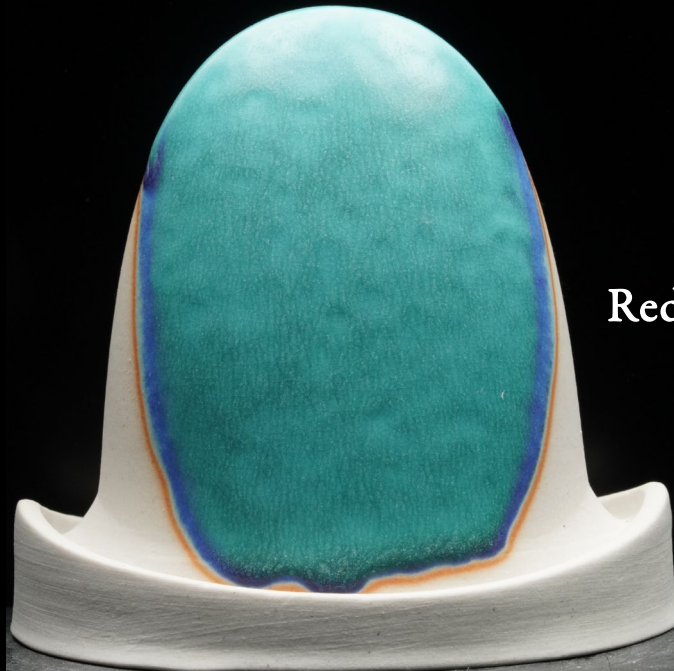
Neph Sy	39.22
Barium Carb	49.87
EPK	
Flint	10.91
Bentonite	2.21
Copper Carbonate	3.09
Water	90



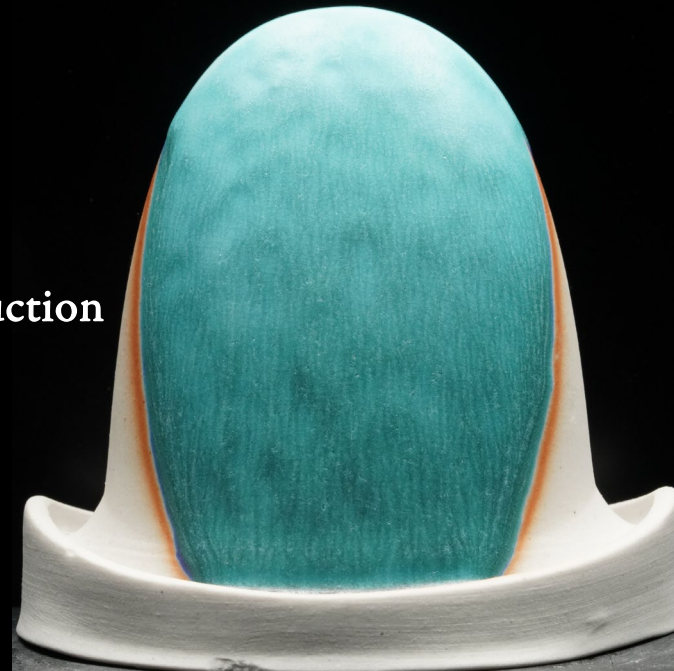
1-3 Second Dip



2-3 Second Dips

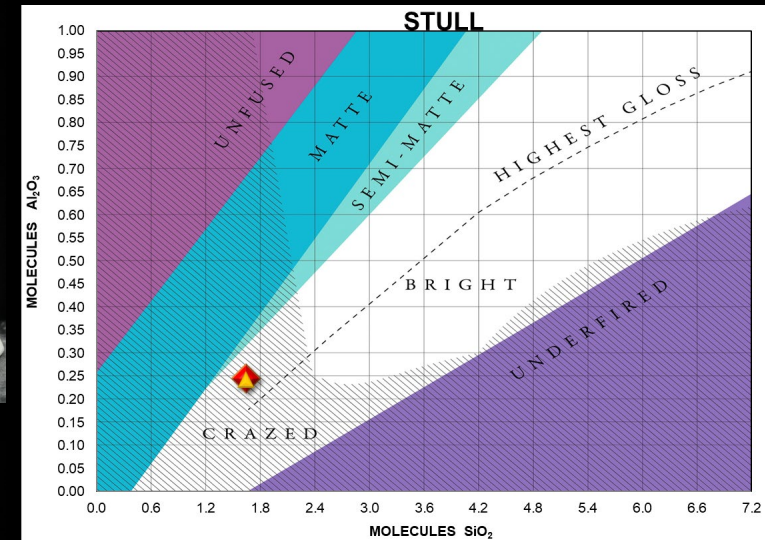


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 6.82 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.72	Collective "Al ₂ O ₃ " 0.25	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.25	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 6.74 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.65	Collective "Al ₂ O ₃ " 0.24	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.24	Li ₂ O	CuO 0.07	SrO	BaO 0.69
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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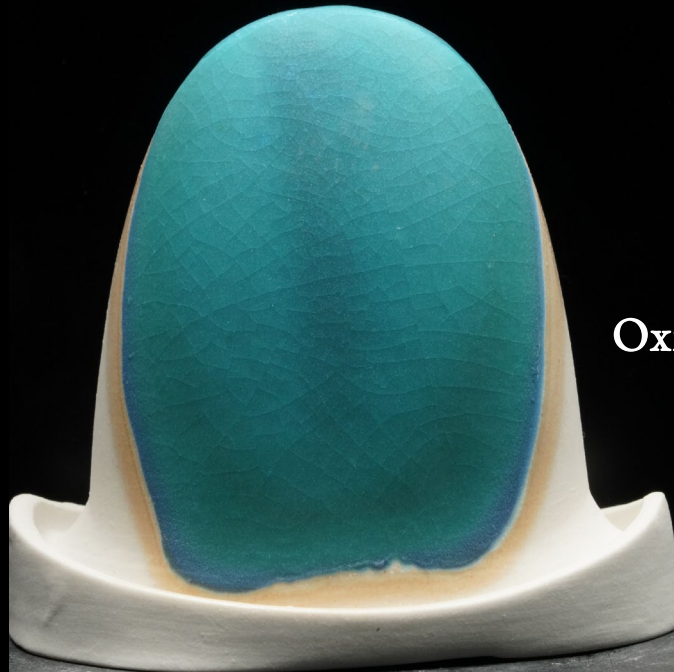
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Peacock

w/o Silica

062922-5

Neph Sy	40.77
Barium Carb	51.85
EPK	7.38
Flint	
Copper Carbonate	3.09
Water	70



Oxidation

1-3 Second Dip



2-3 Second Dips

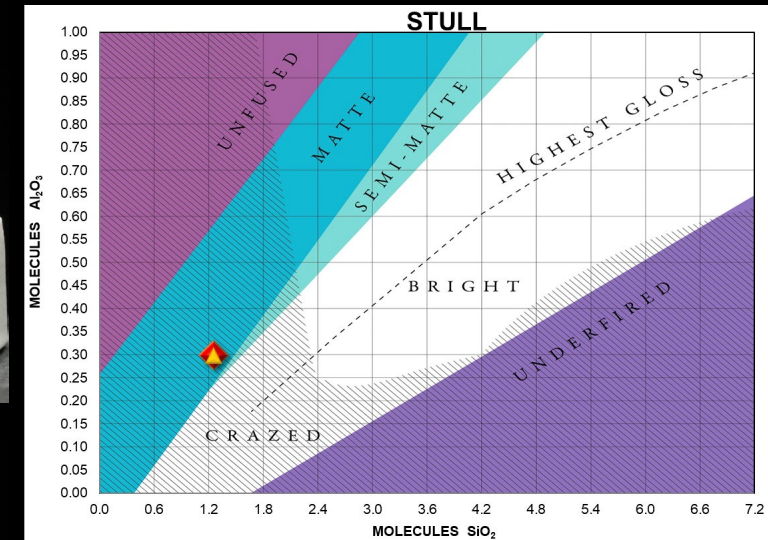


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.21 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.36	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.32	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 4.21 : 1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.26	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO 0.07	SrO	BaO 0.69
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Peacock

w/o Colorants

062922-6

Neph Sy	36.62
Barium Carb	46.57
EPK	6.63
Flint	10.19
Copper Carbonate	
Water	70



1-3 Second Dip



2-3 Second Dips



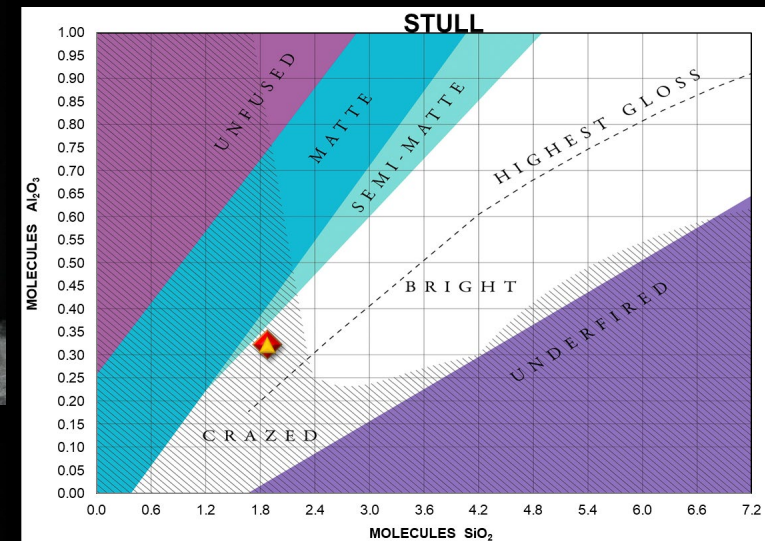
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.80 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.88	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.32	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 5.80 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.88	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.32	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



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