

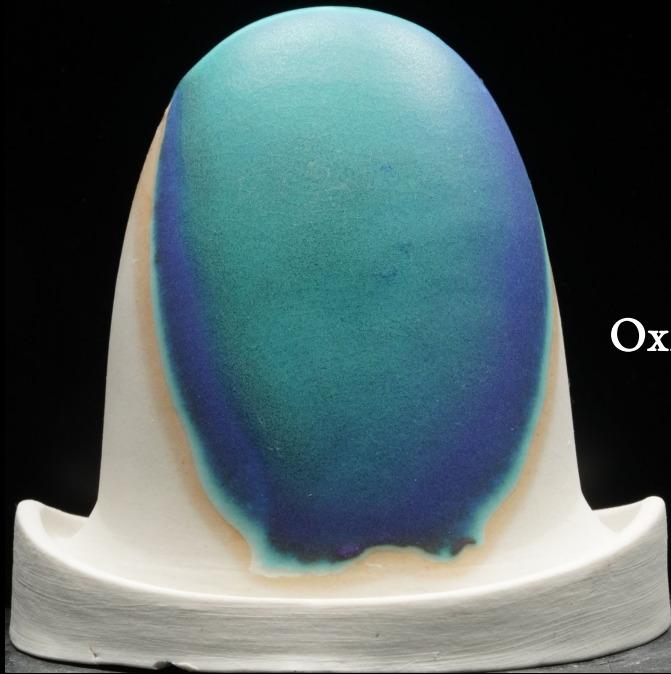
Peacock- Δ 10

Lab 3-Sili-Closeness

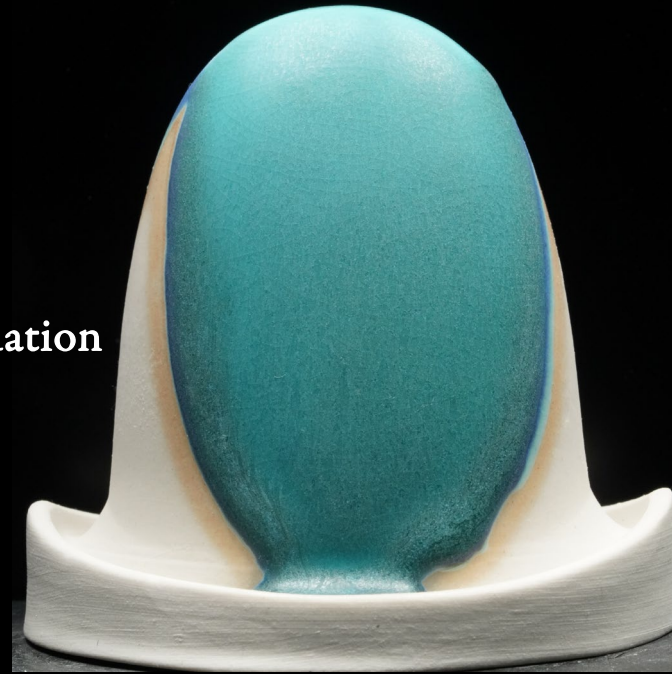
Peacock

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



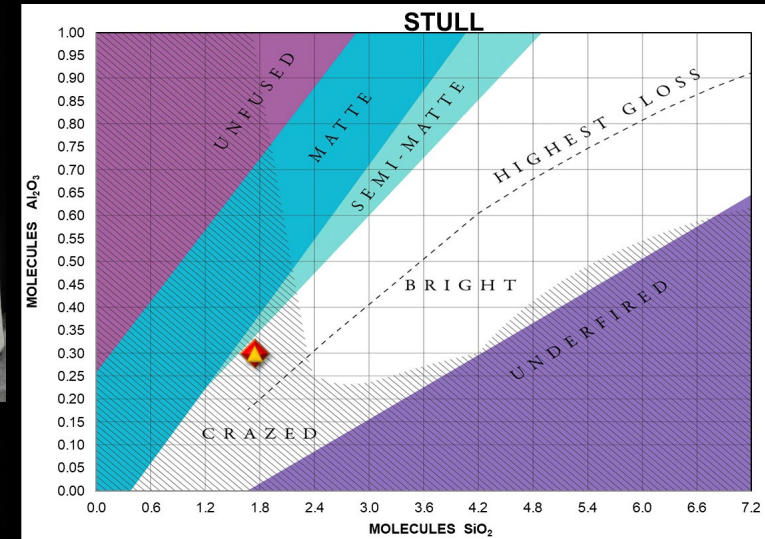
Reduction



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

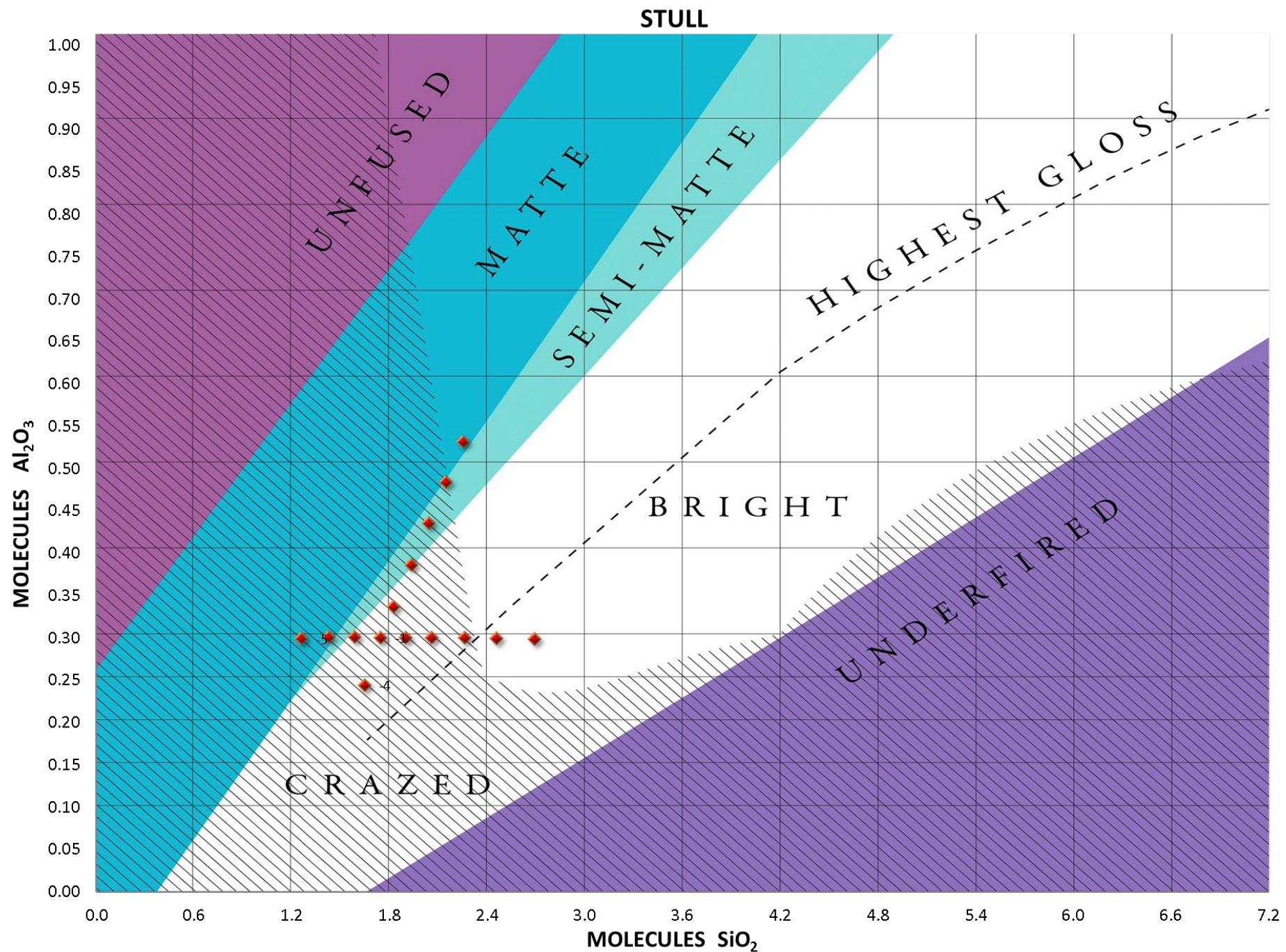


EUMF

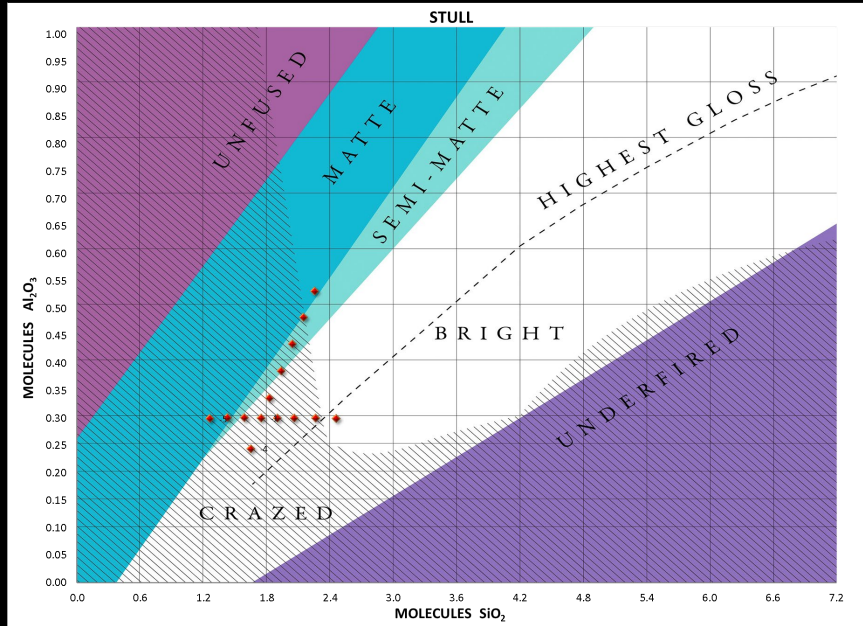
SiO ₂ :Al ₂ O ₃ Ratio 5.80 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.74	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.30	Li ₂ O	CuO 0.07	SrO	BaO 0.69
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



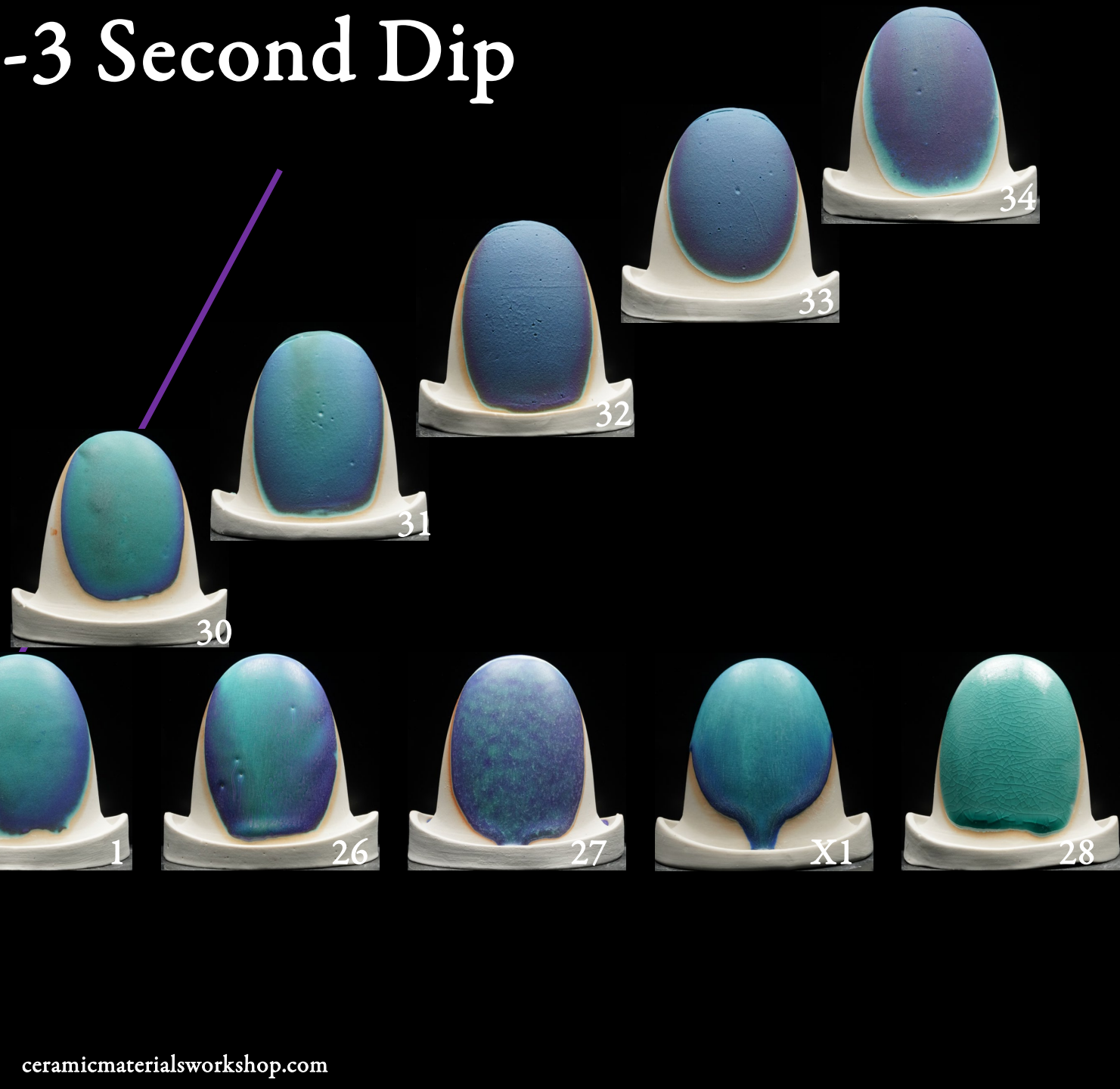
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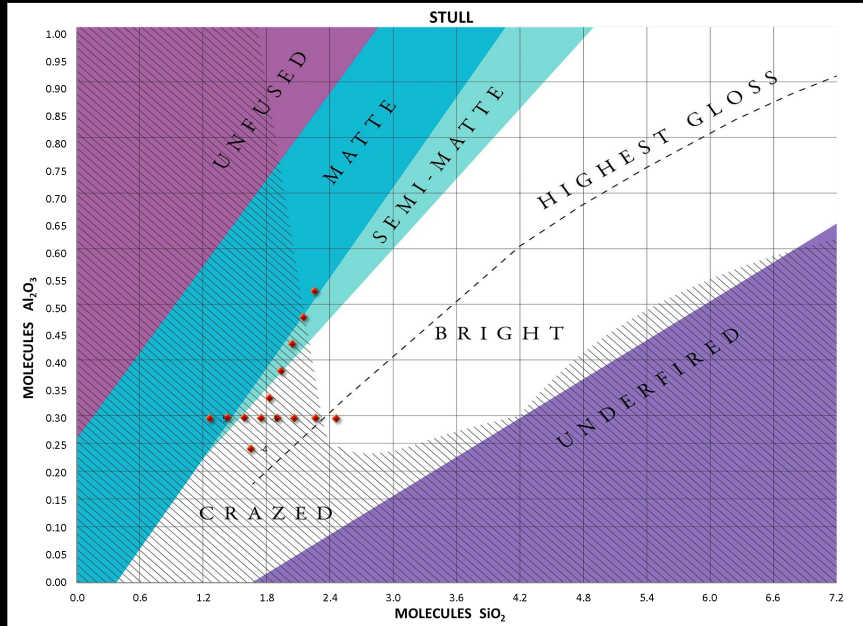
Full Test-Oxidation-1-3 Second Dip



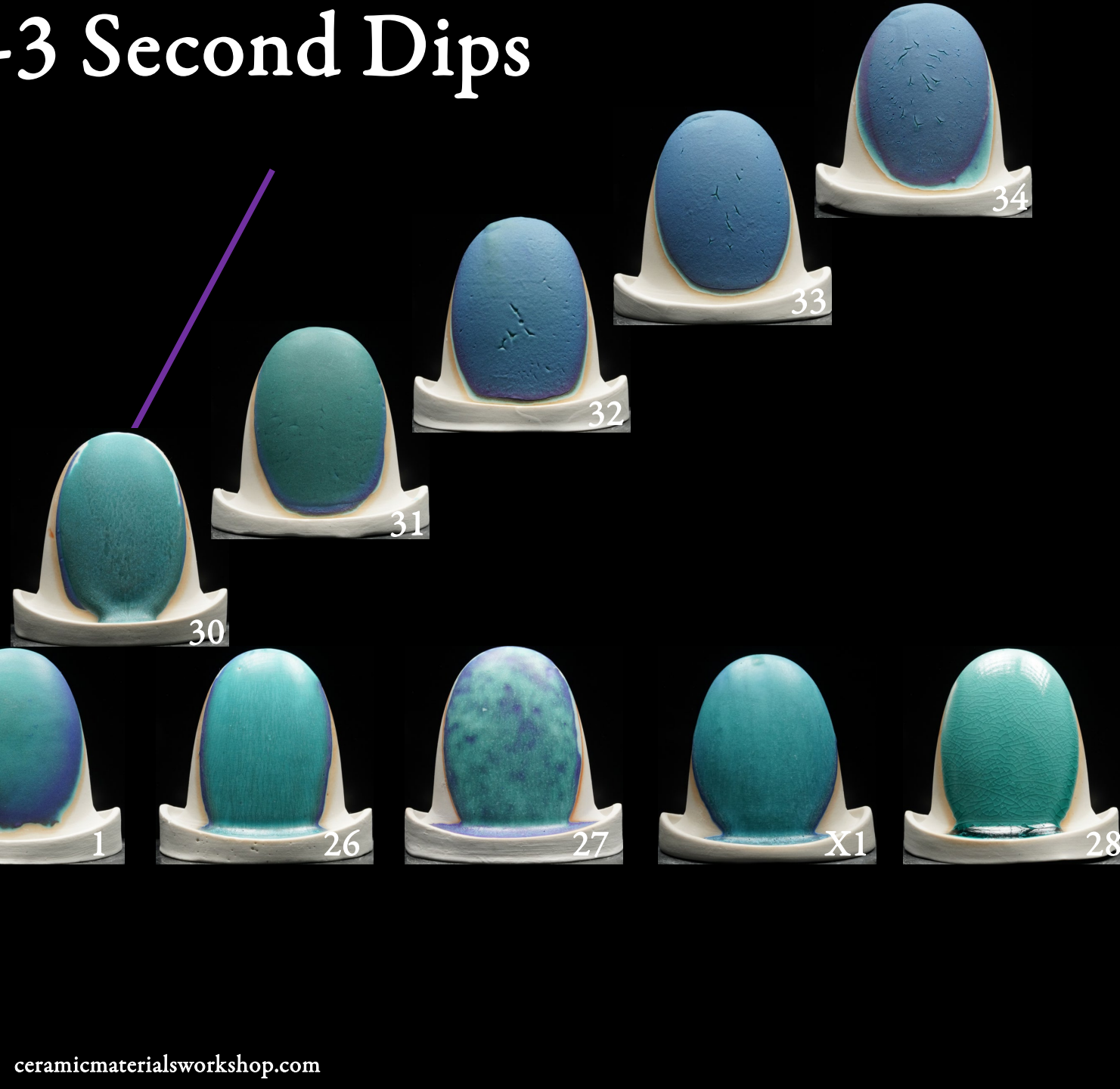
Indicates correct position of Alumina samples



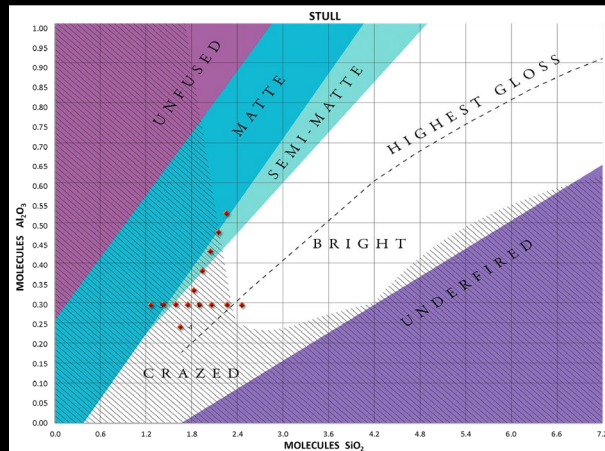
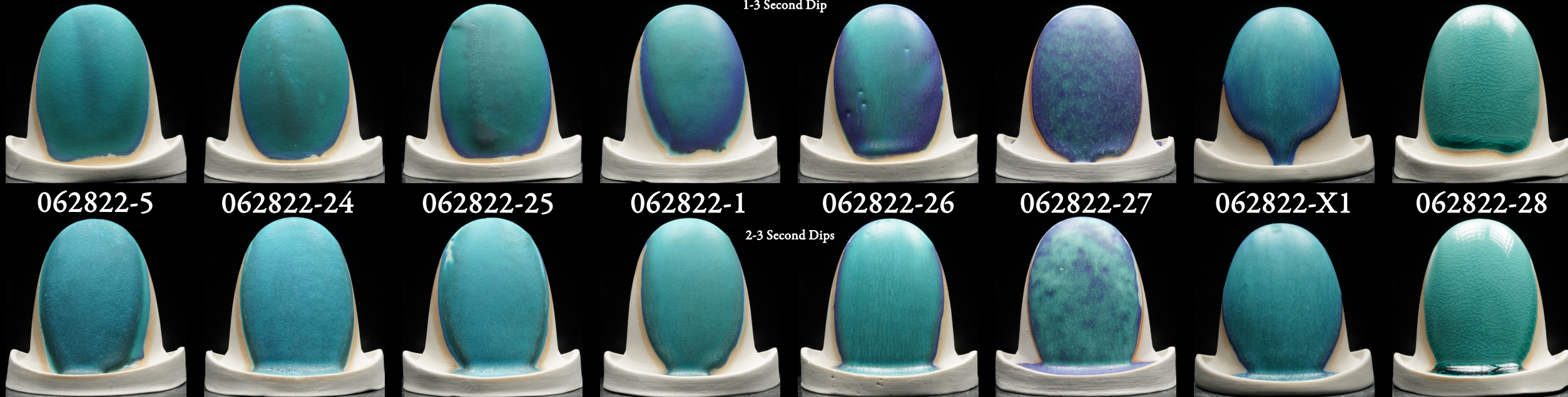
Full Test-Oxidation-2-3 Second Dips



Indicates correct position of Alumina samples



Silica Variations-Oxidation

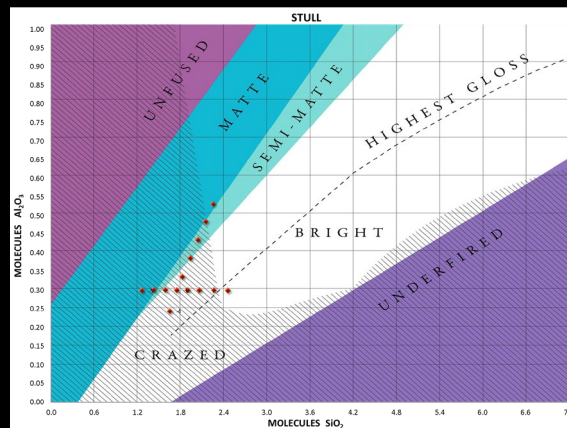


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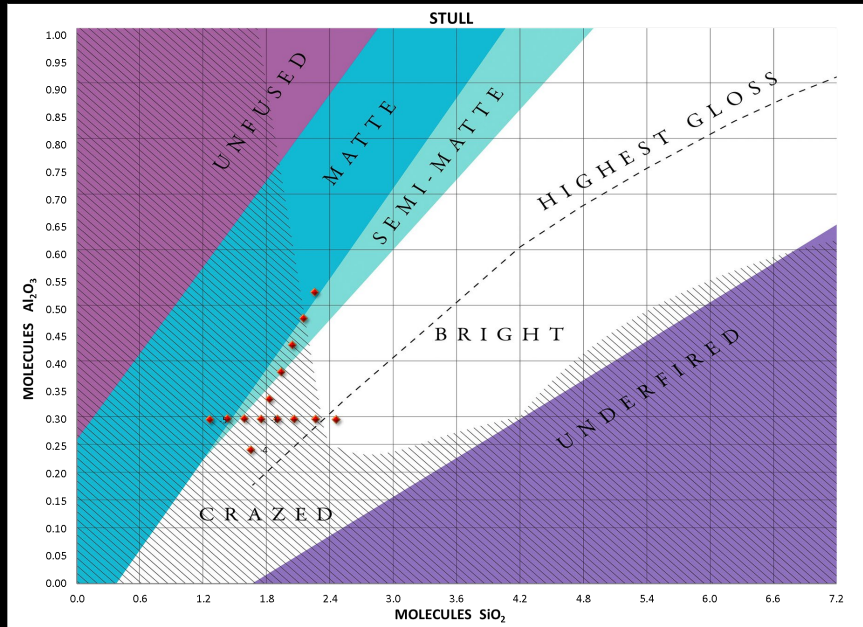
Alumina Variations-Oxidation



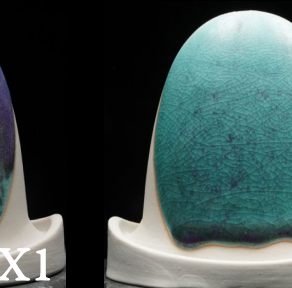
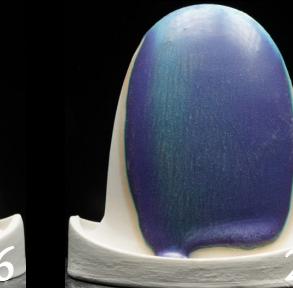
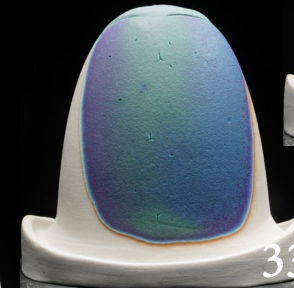
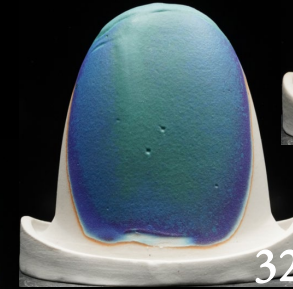
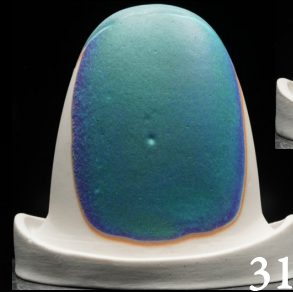
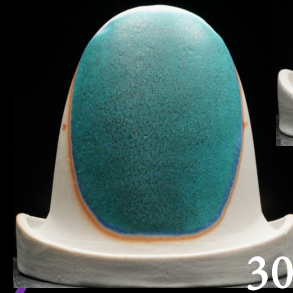
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Full Test-Reduction-1-3 Second Dip



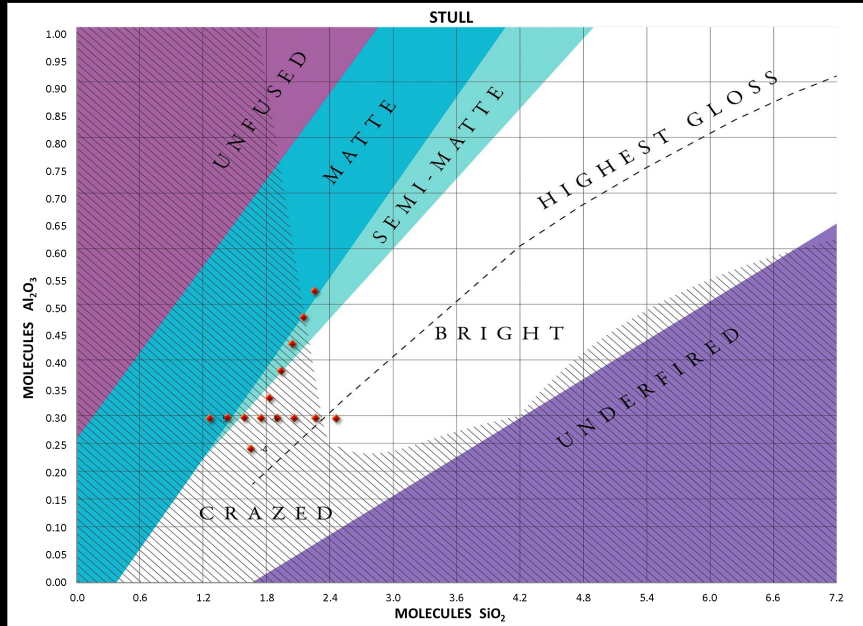
Indicates correct position of Alumina samples



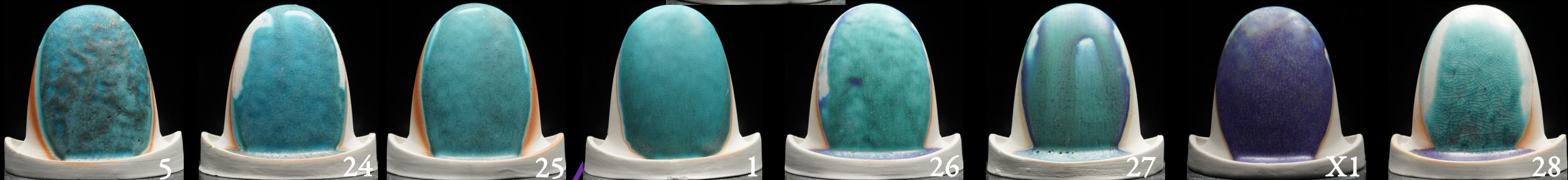
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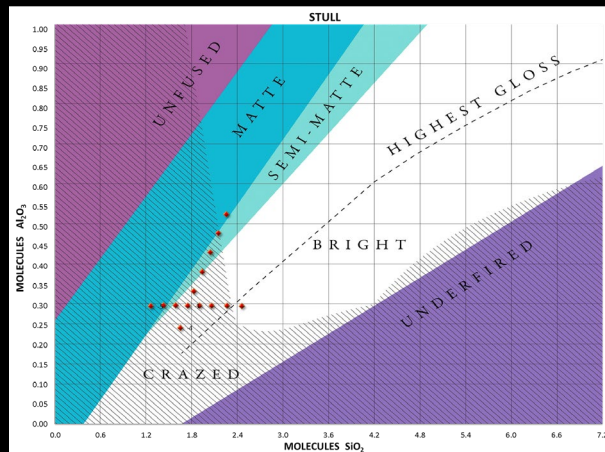
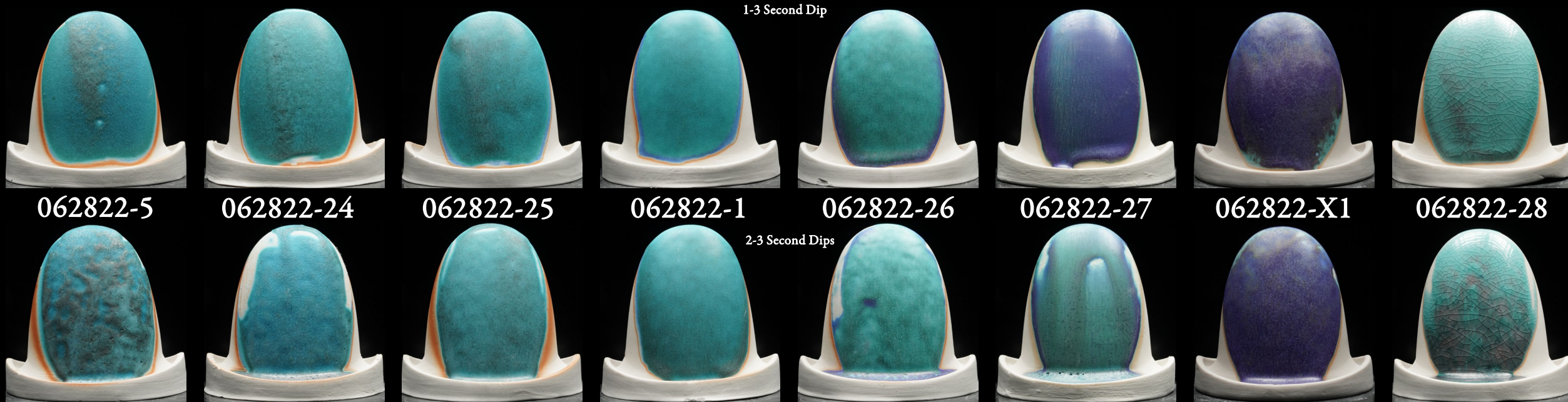
Full Test-Reduction-2-3 Second Dips



Indicates correct position of Alumina samples



Silica Variations-Reduction

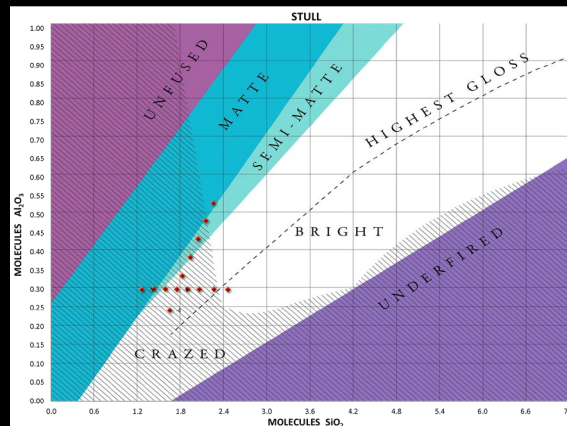
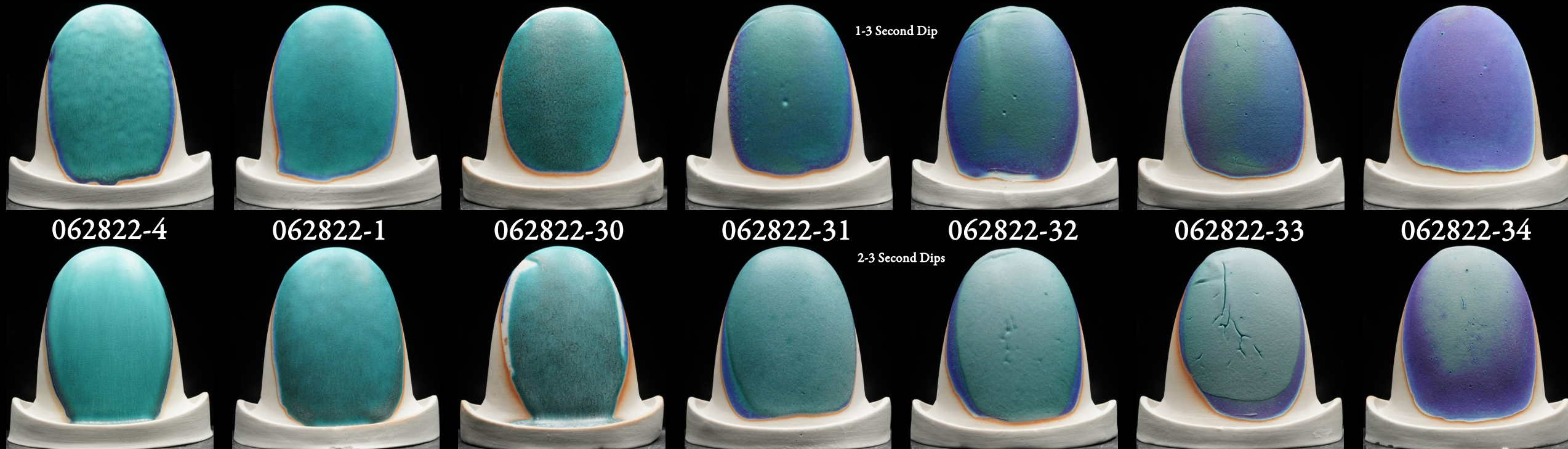


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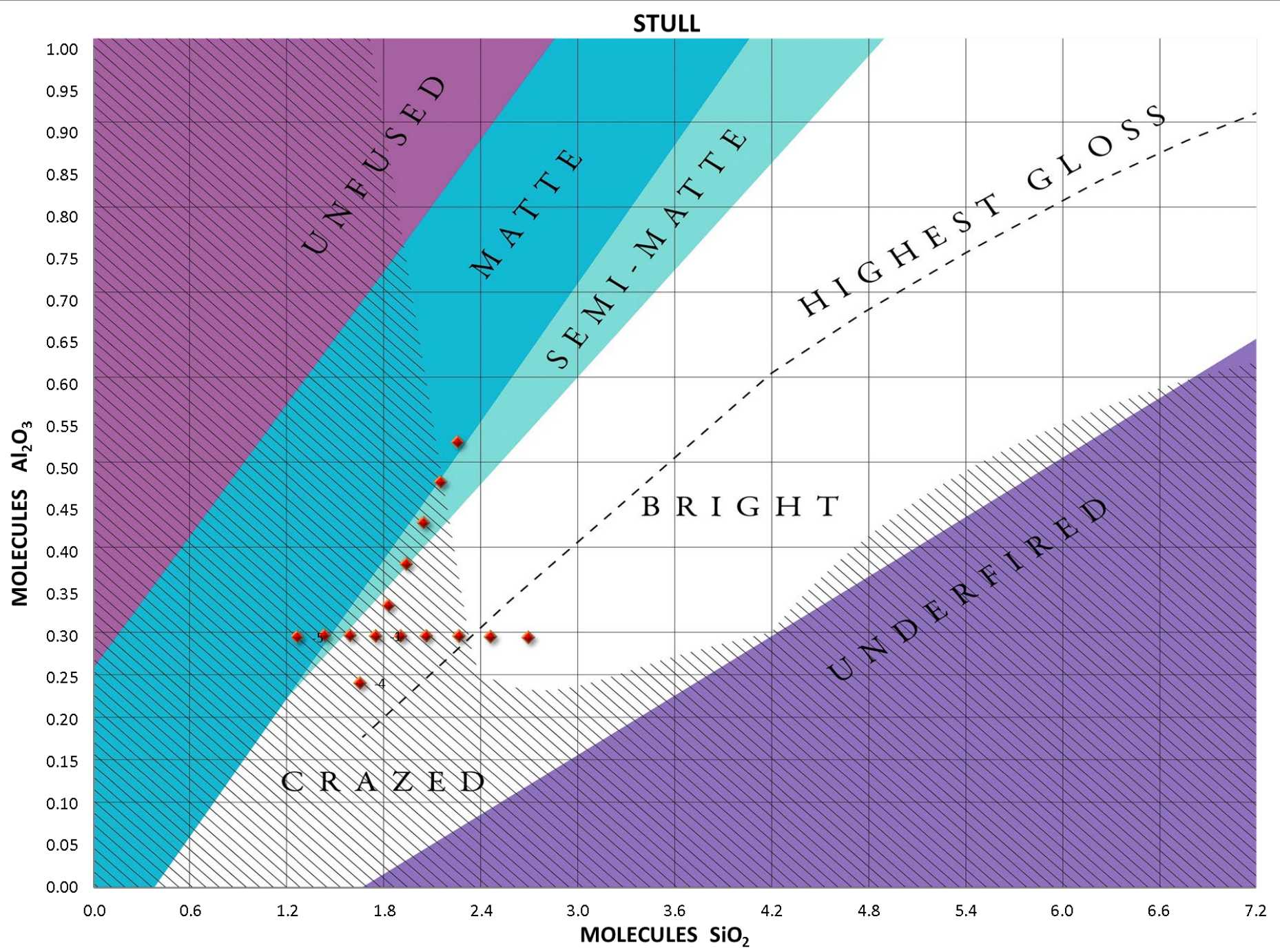
Alumina Variations-Reduction



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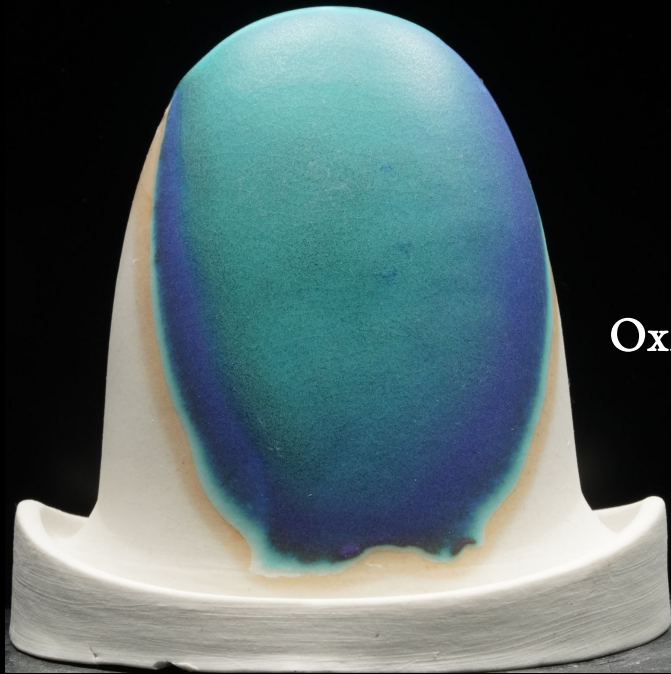
Ceramic
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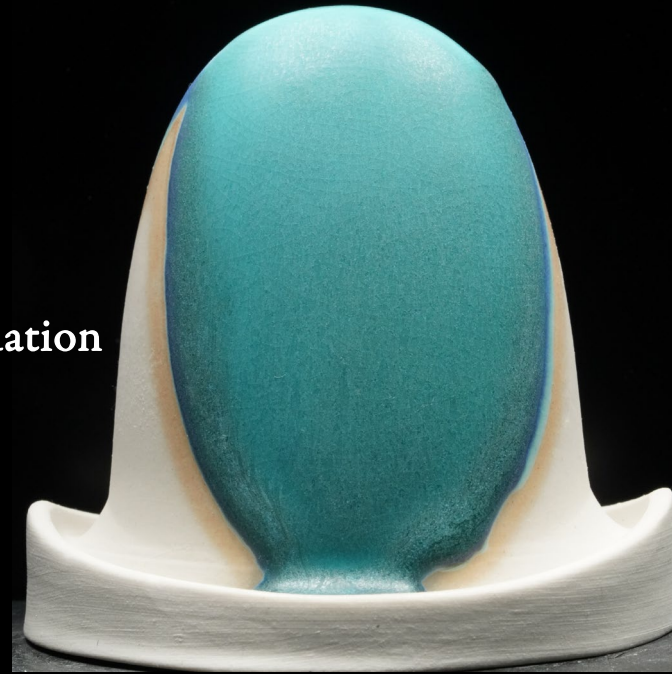
Peacock

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



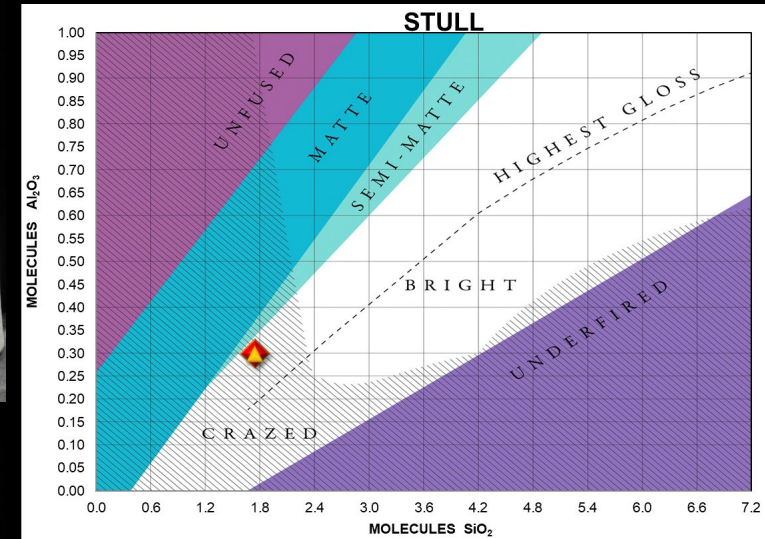
Reduction



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 0.30		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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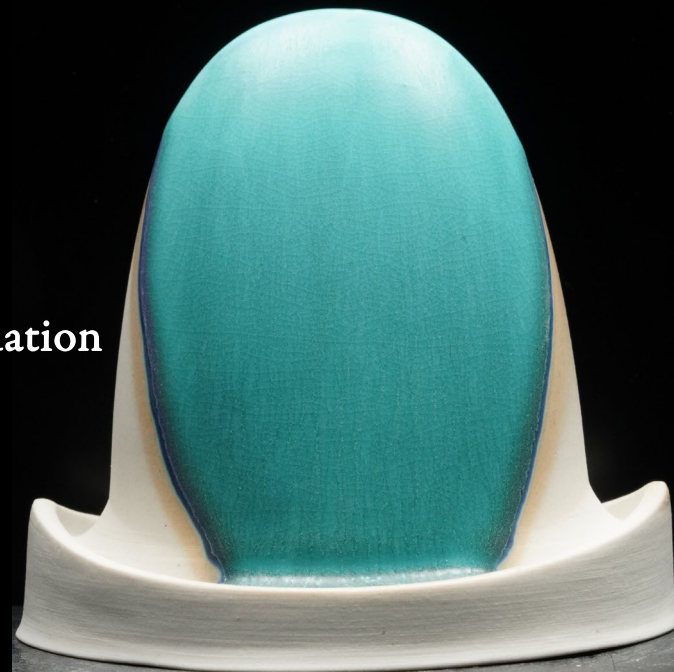
Peacock

w/o Kaolin
062622-4

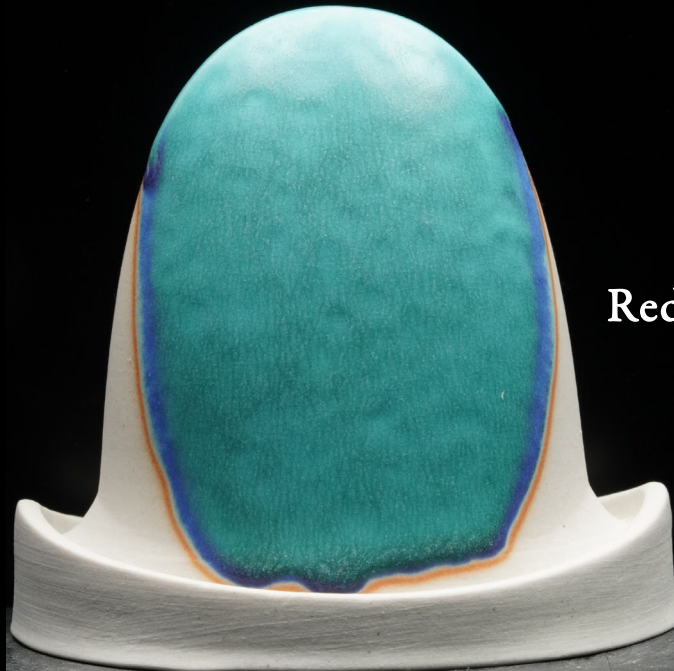
Neph Sy	39.22
Barium Carb	49.87
EPK	
Flint	10.91
Bentonite	2.21
Copper Carbonate	3.31
Water	70



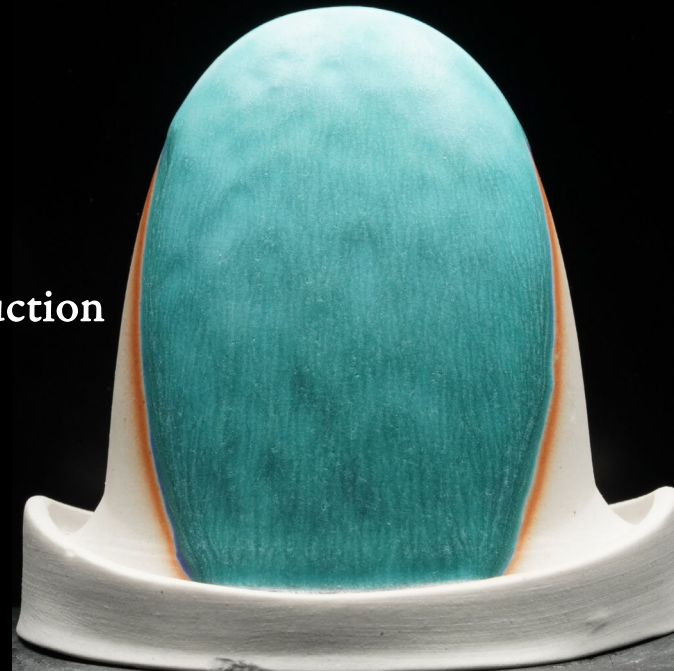
1-3 Second Dip



2-3 Second Dips



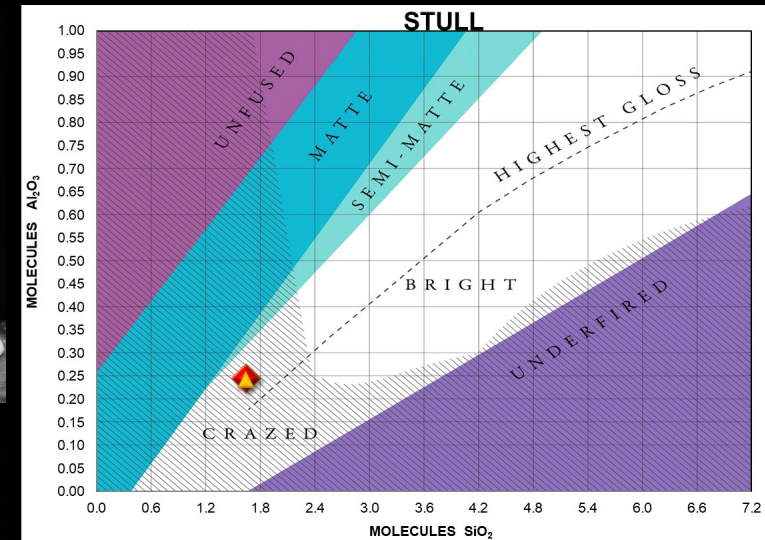
Reduction



Oxidation

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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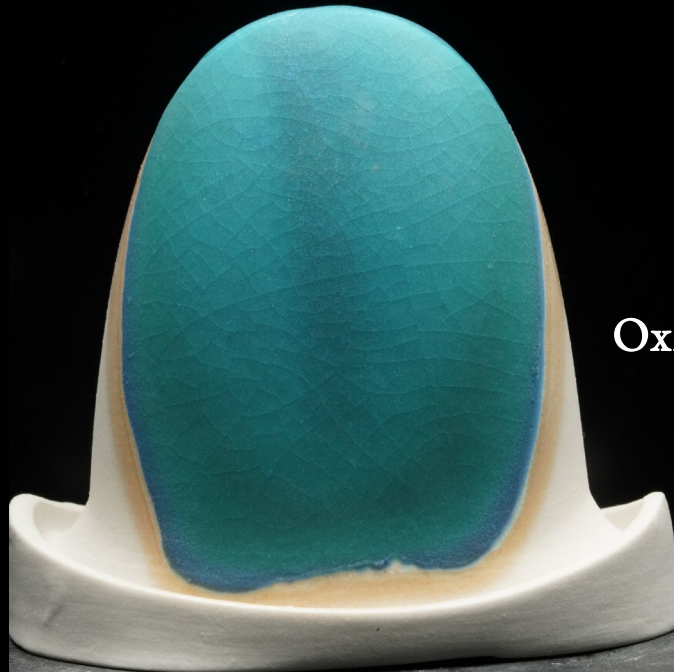
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Peacock

w/o Silica

062922-5

Neph Sy	40.77
Barium Carb	51.85
EPK	7.38
Flint	
Copper Carbonate	3.44
Water	70



Oxidation



1-3 Second Dip

2-3 Second Dips

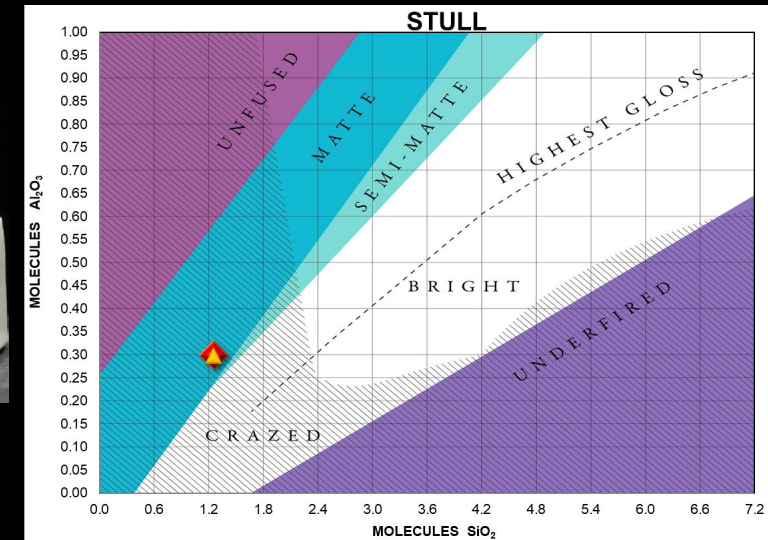


Reduction



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

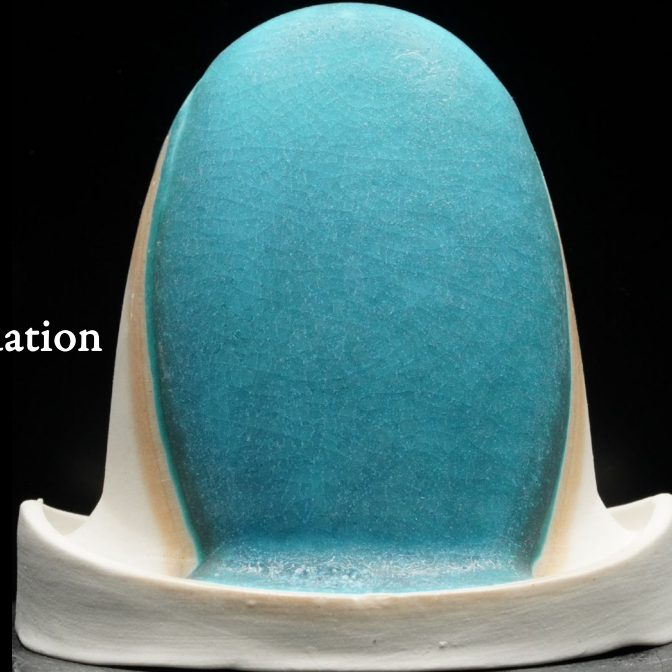
Mapping
Silica 2

062922-24

Neph Sy	39.29
Barium Carb	49.96
EPK	7.11
Flint	3.64
Copper Carbonate	3.09
Water	70



1-3 Second Dip



2-3 Second Dips



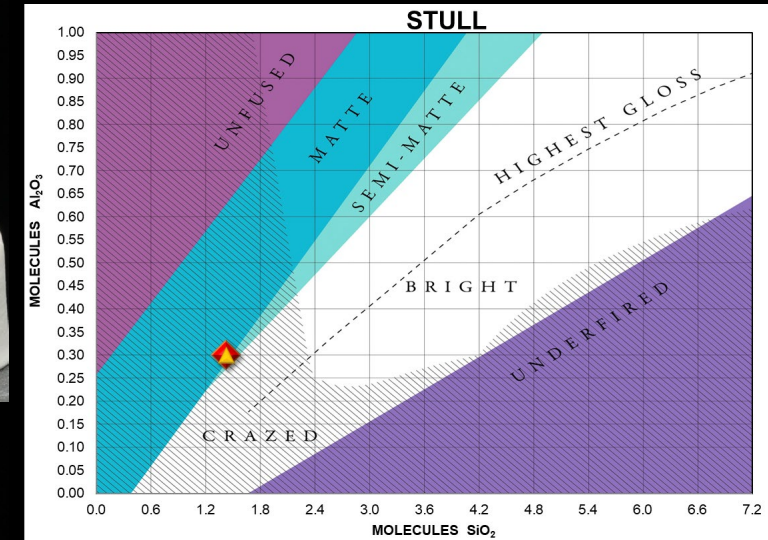
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.74 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.53	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 4.74 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.43	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

Mapping
Silica 3

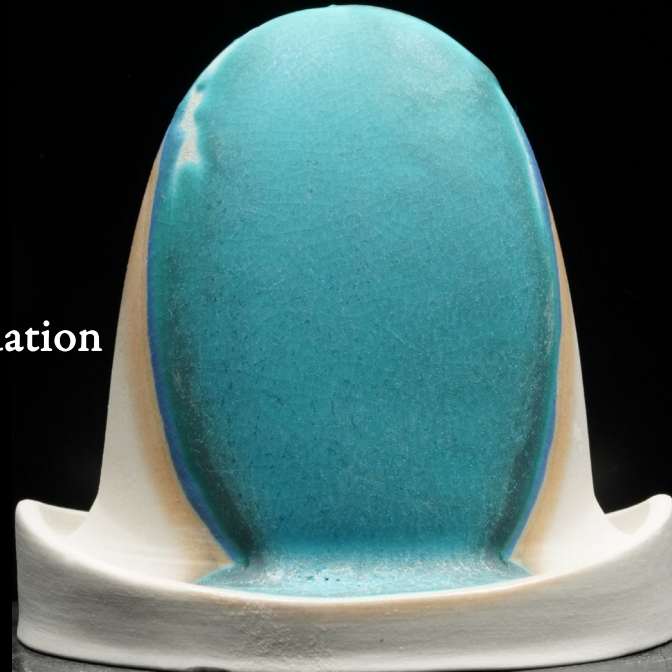
062922-25

Neph Sy	37.91
Barium Carb	48.21
EPK	6.86
Flint	7.02
Copper Carbonate	3.09
Water	70



Oxidation

1-3 Second Dip



2-3 Second Dips

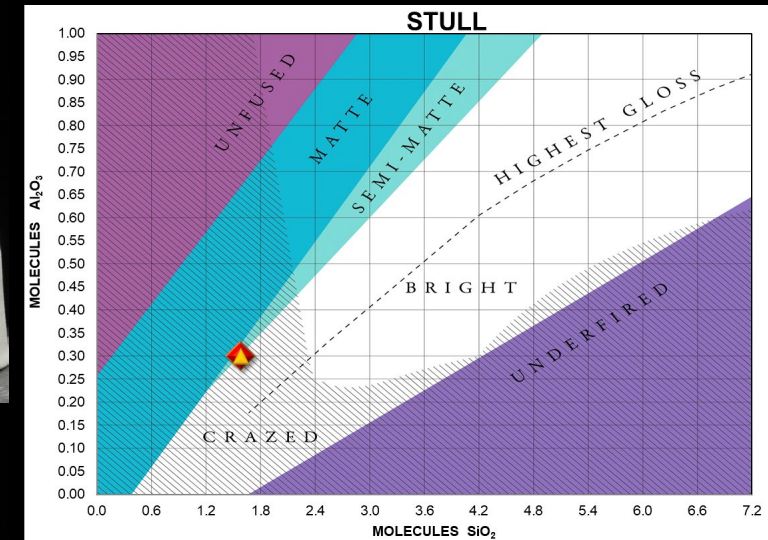


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.27 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.71	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 5.27 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.59	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

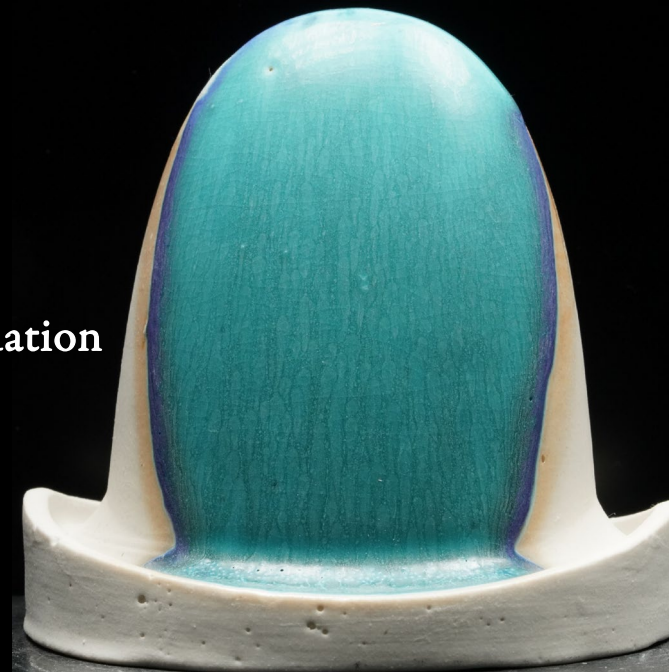
Mapping
Silica 5

062922-26

Neph Sy	35.42
Barium Carb	45.04
EPK	6.41
Flint	13.13
Copper Carbonate	3.09
Water	70



1-3 Second Dip

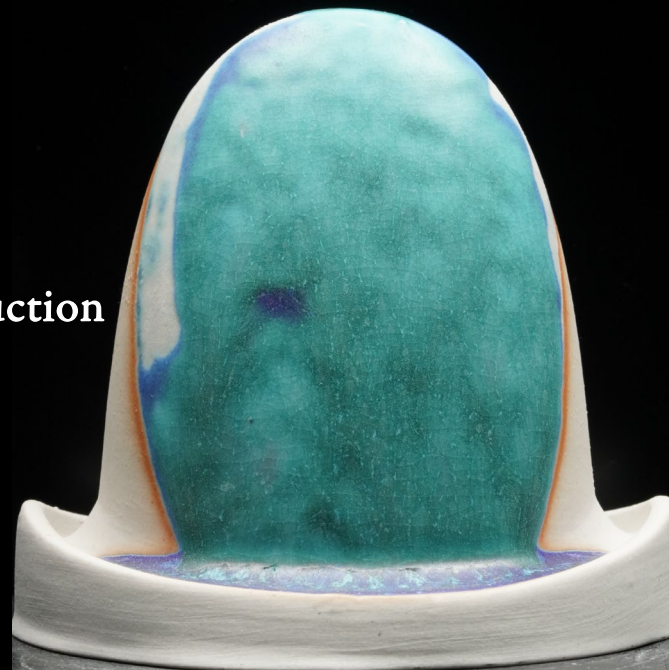


2-3 Second Dips

Oxidation

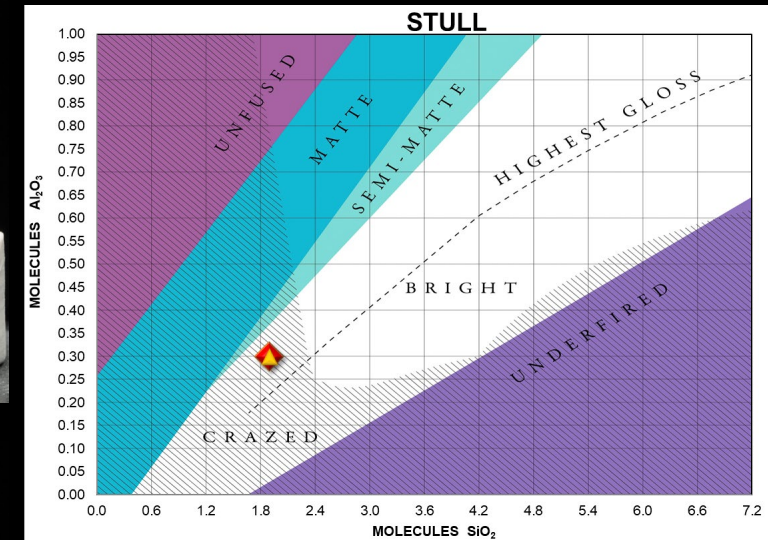


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 6.33 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.06	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 6.33 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.90	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 0.08	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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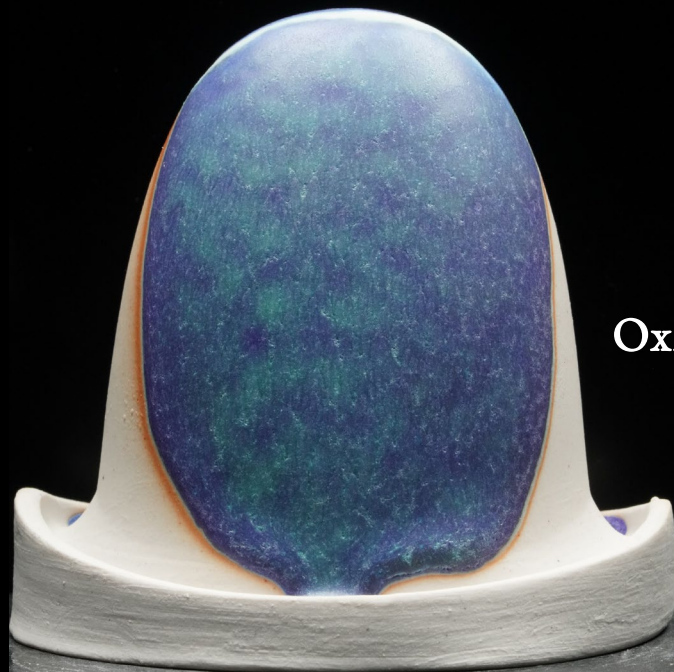
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Peacock

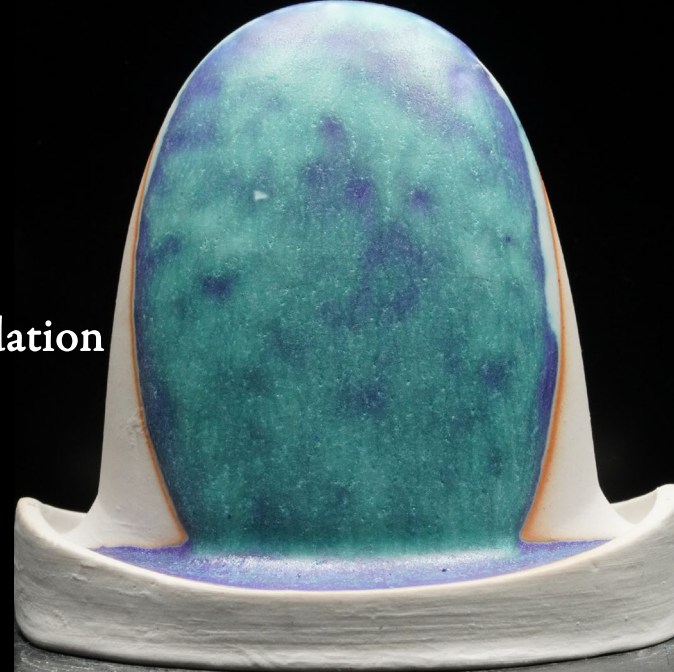
Mapping
Silica 6

062922-27

Neph Sy	34.29
Barium Carb	43.61
EPK	6.21
Flint	15.89
Copper Carbonate	3.09
Water	70



1-3 Second Dip

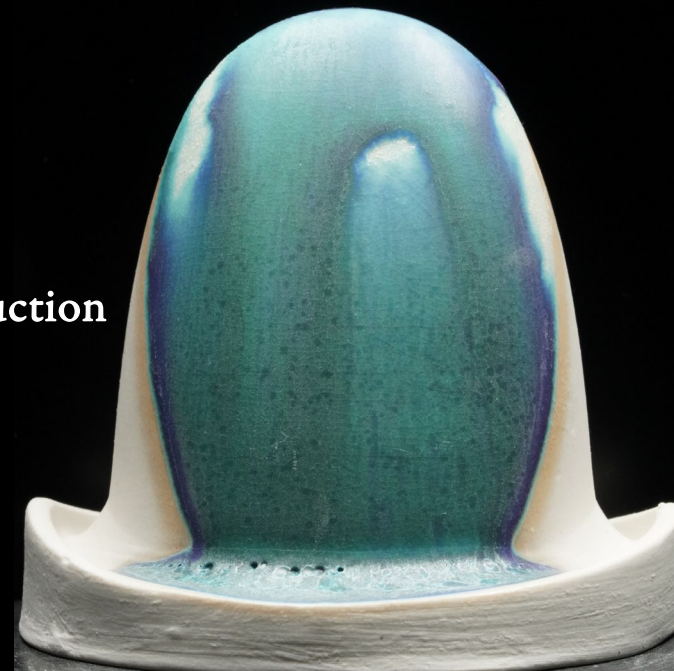


2-3 Second Dips

Oxidation



1-3 Second Dip

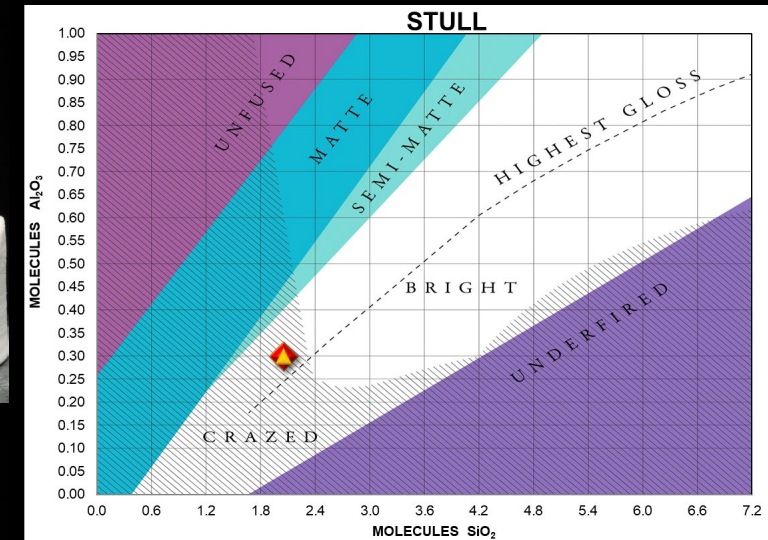


2-3 Second Dips

Reduction

UMF

SiO ₂ :Al ₂ O ₃ Ratio 6.86 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.23	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 6.86 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.06	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 0.08	SrO	BaO 0.68
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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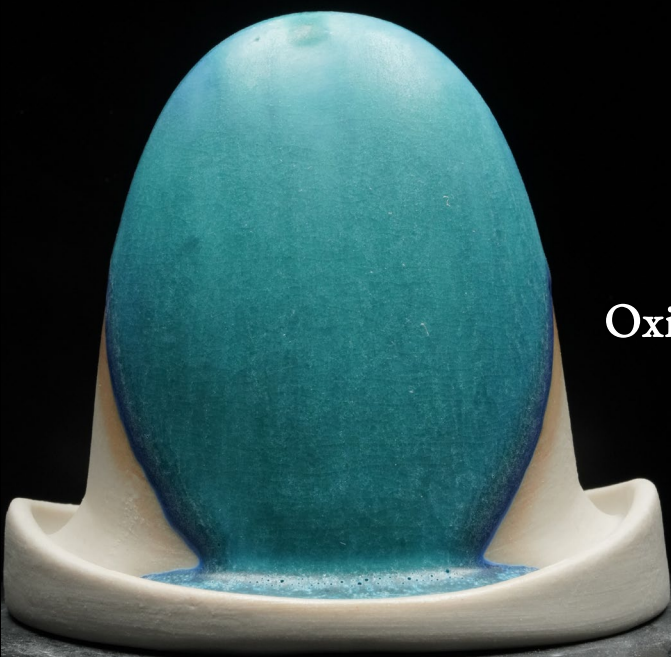
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Peacock

Mapping
Silica 7

062922-X1

Neph Sy	33.99
Barium Carb	43.22
EPK	6.15
Flint	19.73
Copper Carbonate	3.09
Water	70



Oxidation



1-3 Second Dip

2-3 Second Dips

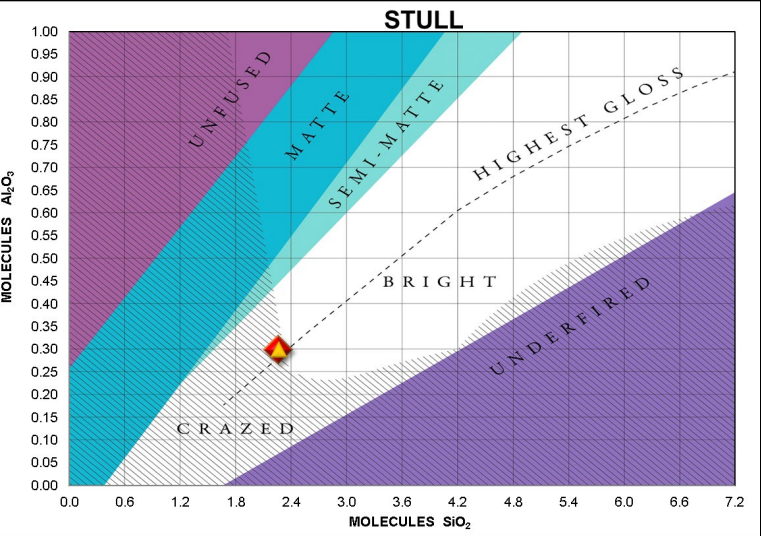


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.53 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.45	Collective "Al ₂ O ₃ " 0.33	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 7.53 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 2.26	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	SrO	BaO 0.68
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



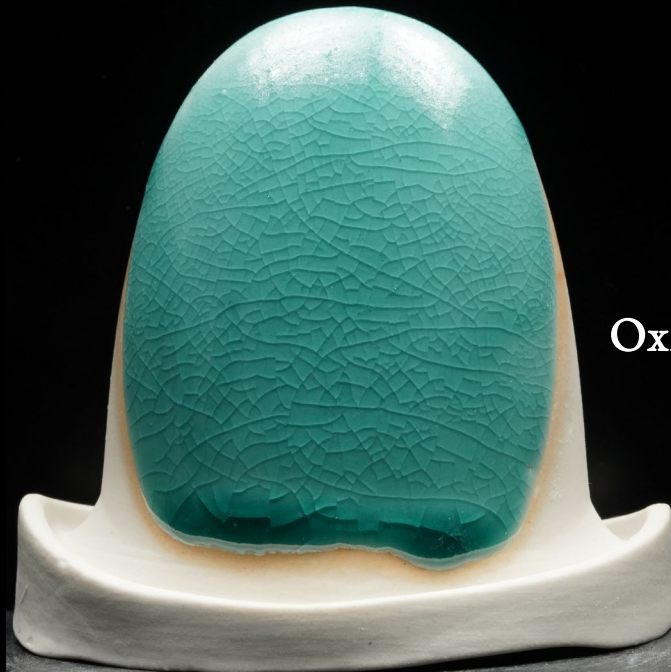
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Peacock

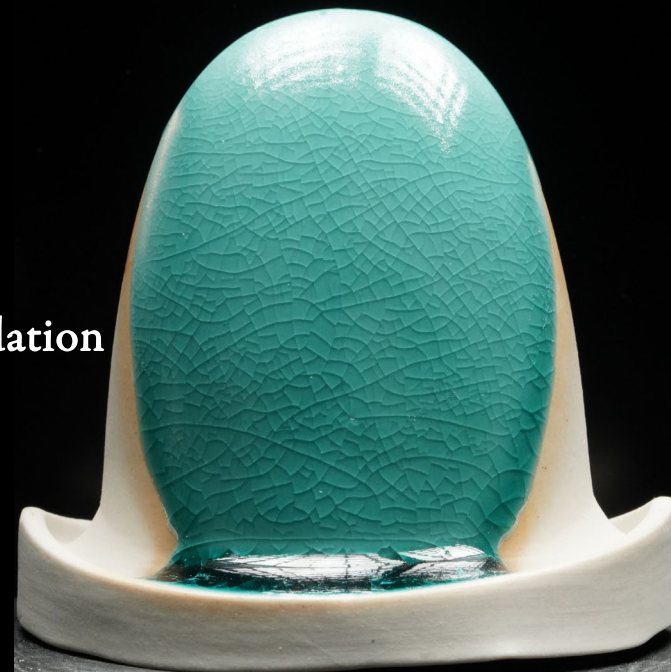
Mapping
Silica 8

062922-28

Neph Sy	31.68
Barium Carb	40.29
EPK	5.73
Flint	22.30
Copper Carbonate	3.09
Water	70

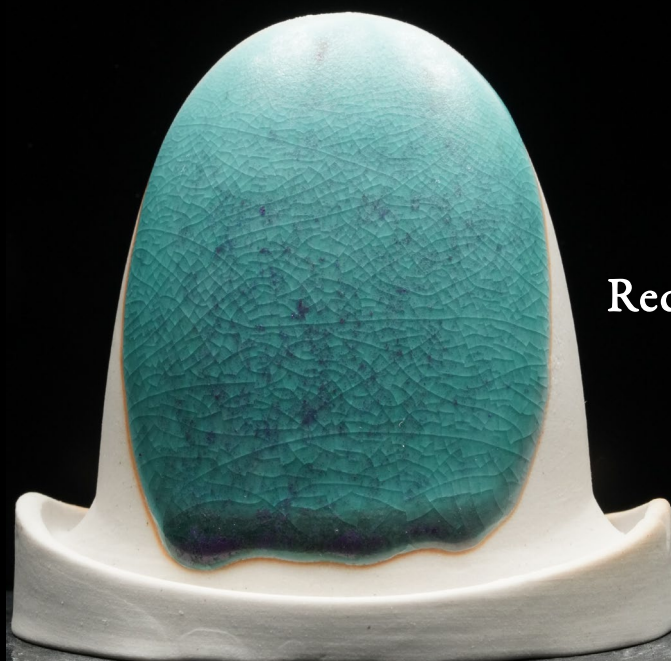


1-3 Second Dip

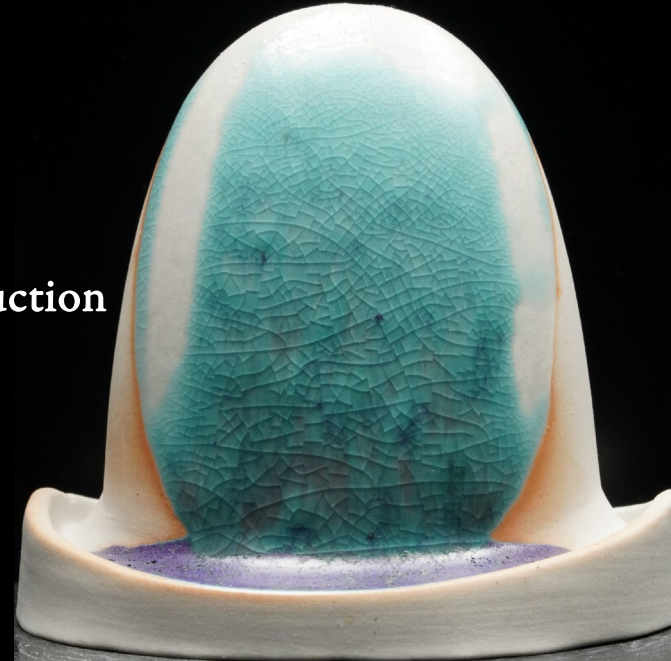


2-3 Second Dips

Oxidation

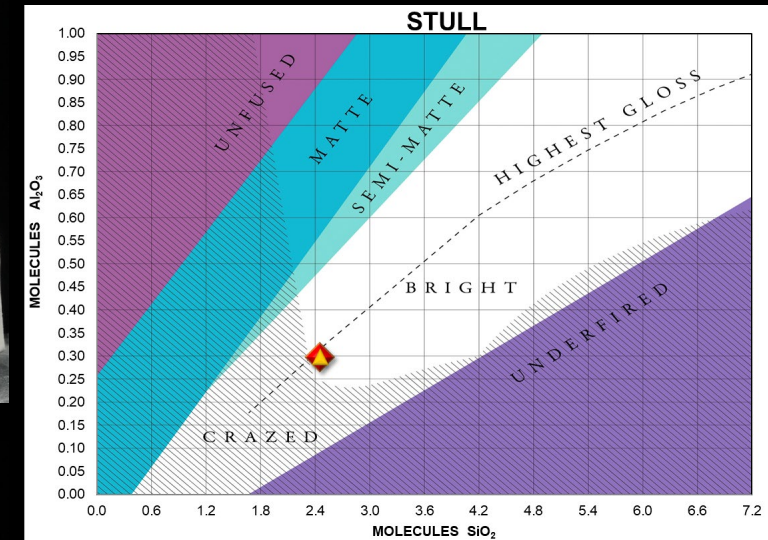


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 8.22 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.68	Collective "Al ₂ O ₃ " 0.33	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 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 8.22 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 2.46	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.17	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 0.08	SrO	BaO 0.68
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

Mapping
Silica-Extra

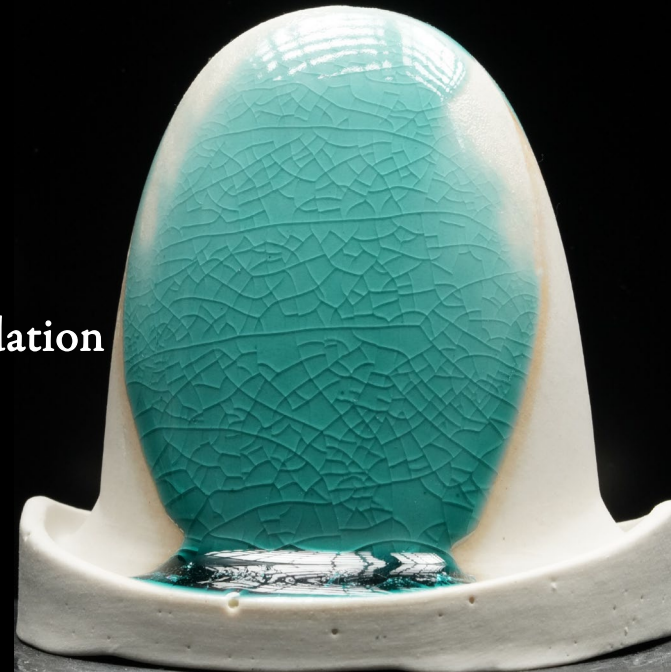
062922-29

Neph Sy	30.33
Barium Carb	38.57
EPK	5.49
Flint	25.61
Copper Carbonate	3.09
Water	70



Oxidation

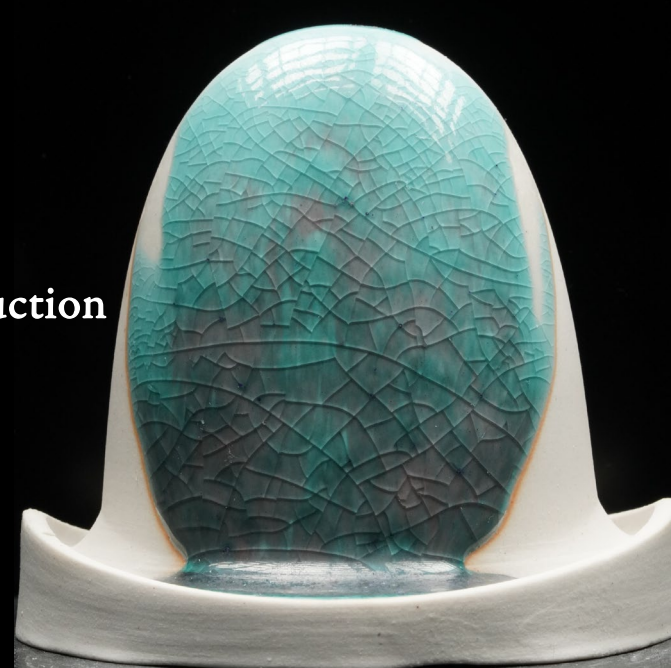
1-3 Second Dip



2-3 Second Dips

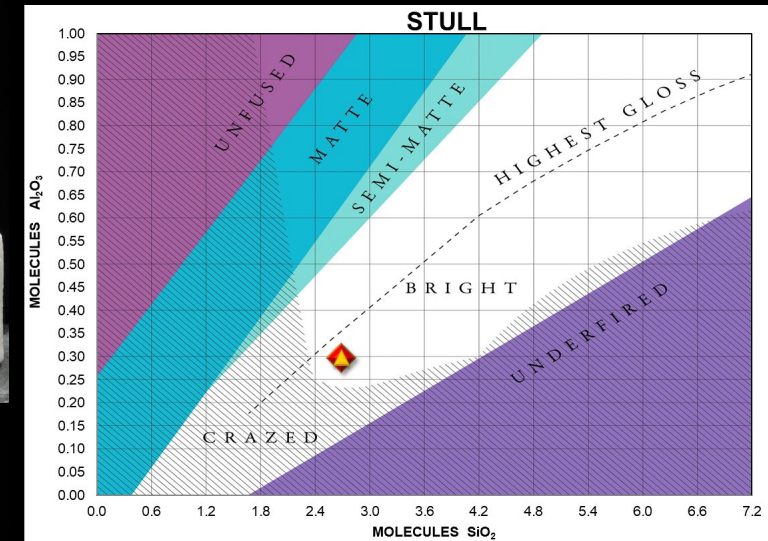


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 9.01 : 1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.95	Collective "Al ₂ O ₃ " 0.33	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO	SrO	BaO 0.74
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 9.01 : 1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 2.69	Collective "Al ₂ O ₃ " 0.30	Na ₂ O 0.17	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 0.09	SrO	BaO 0.68
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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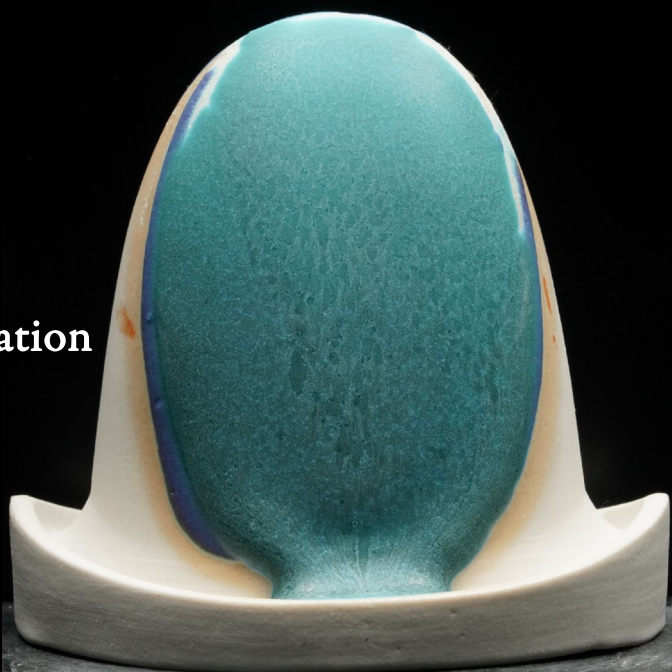
Peacock

Mapping
Kaolin 3
062922-30

Neph Sy	35.32
Barium Carb	44.91
EPK	9.94
Flint	9.83
Copper Carbonate	3.09
Water	70



1-3 Second Dip



2-3 Second Dips



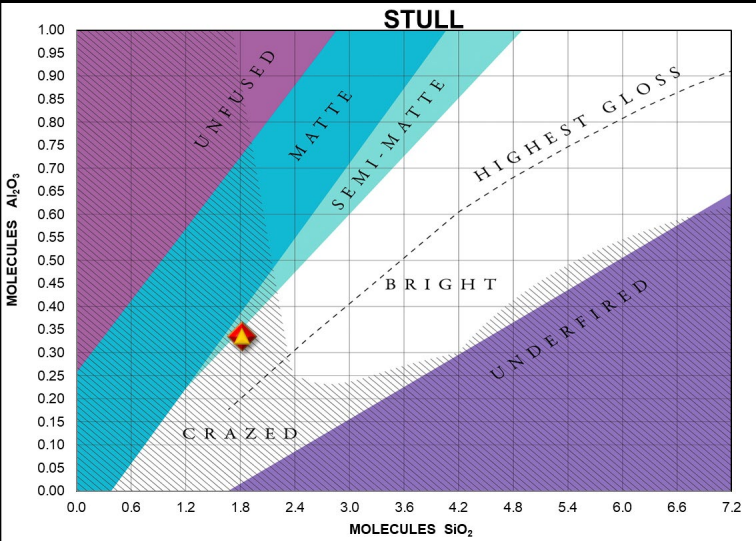
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.42 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 1.97	Collective "Al ₂ O ₃ " 0.36	Na ₂ O 0.19	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.36	Li ₂ O	CuO	SrO	BaO 0.74
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 5.42 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.82	Collective "Al ₂ O ₃ " 0.34	Na ₂ O 0.18	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.33	Li ₂ O	CuO 0.08	SrO	BaO 0.68
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

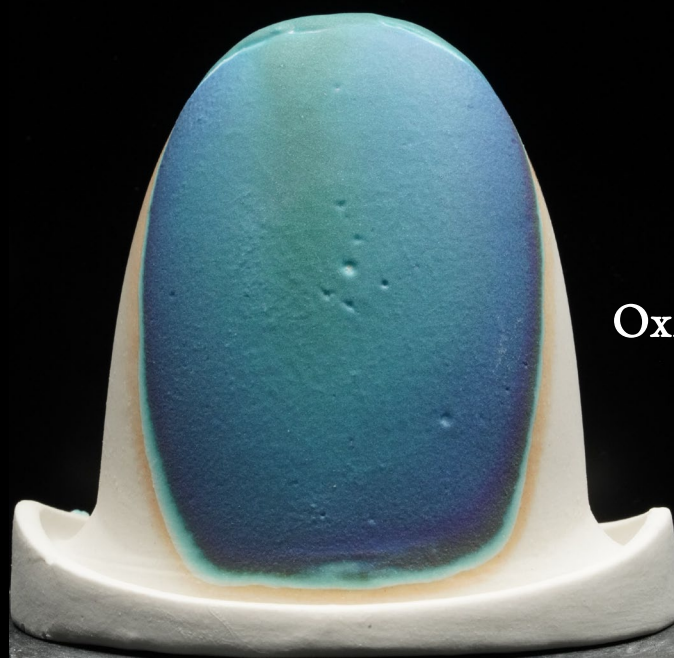


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Peacock

Mapping
Kaolin 4
062922-31

Neph Sy	33.65
Barium Carb	42.79
EPK	14.21
Flint	9.36
Copper Carbonate	3.09
Water	70

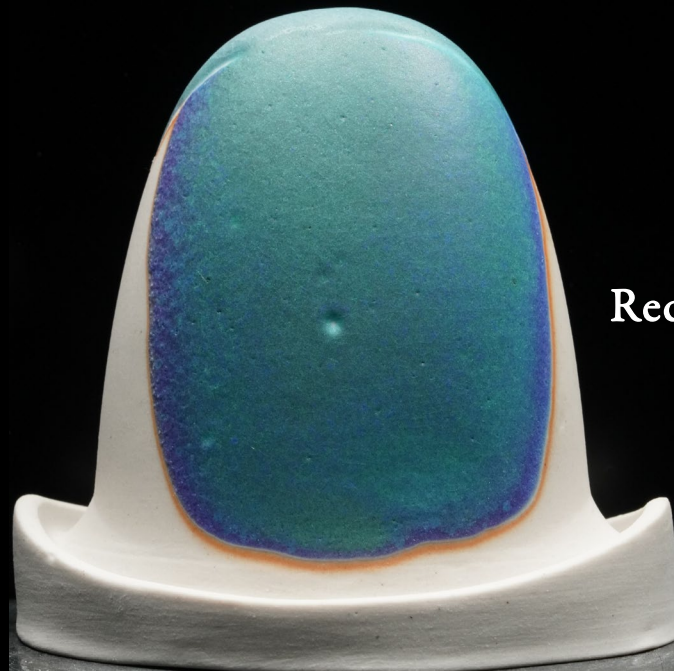


Oxidation

1-3 Second Dip



2-3 Second Dips

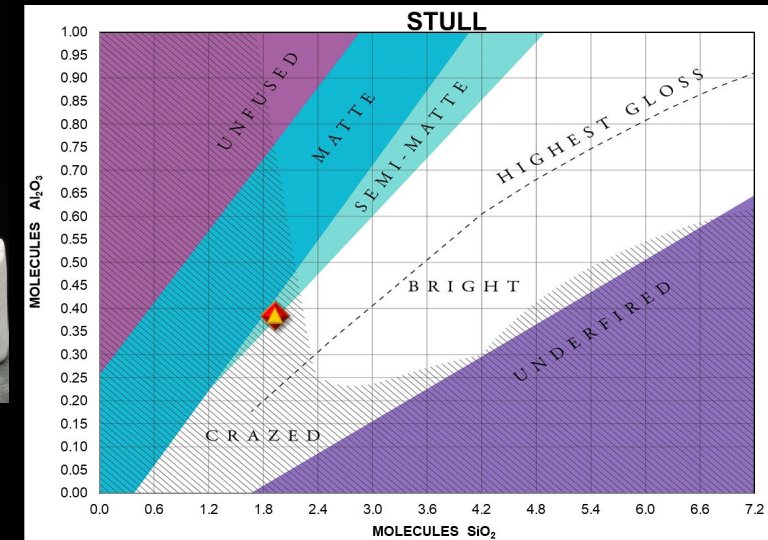


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.25		Alkaline Earths 0.75	
SiO ₂ 2.10	Collective "Al ₂ O ₃ " 0.42	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.42	Li ₂ O	CuO	SrO	BaO 0.74
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



EUMF

SiO ₂ :Al ₂ O ₃ Ratio 5.00 :1		Alkali Metals 0.30		Alkaline Earths 0.70	
SiO ₂ 1.93	Collective "Al ₂ O ₃ " 0.39	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.38	Li ₂ O	CuO 0.08	SrO	BaO 0.68
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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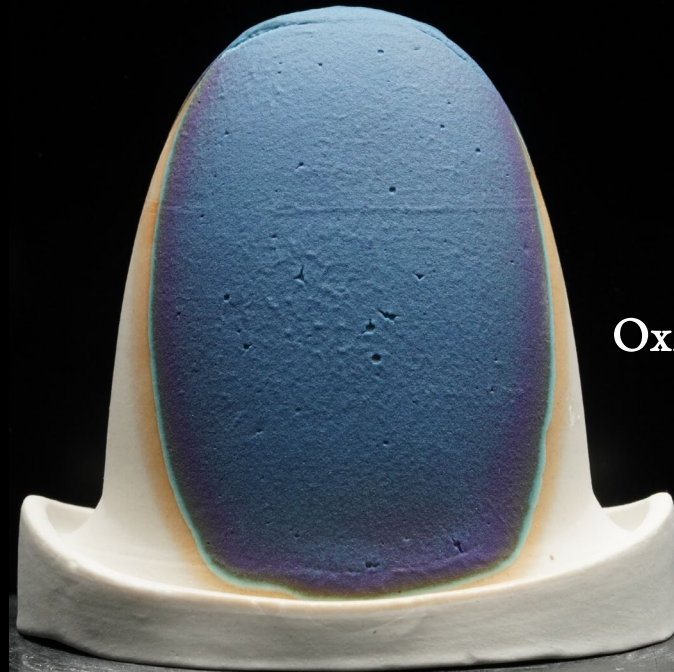
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Peacock

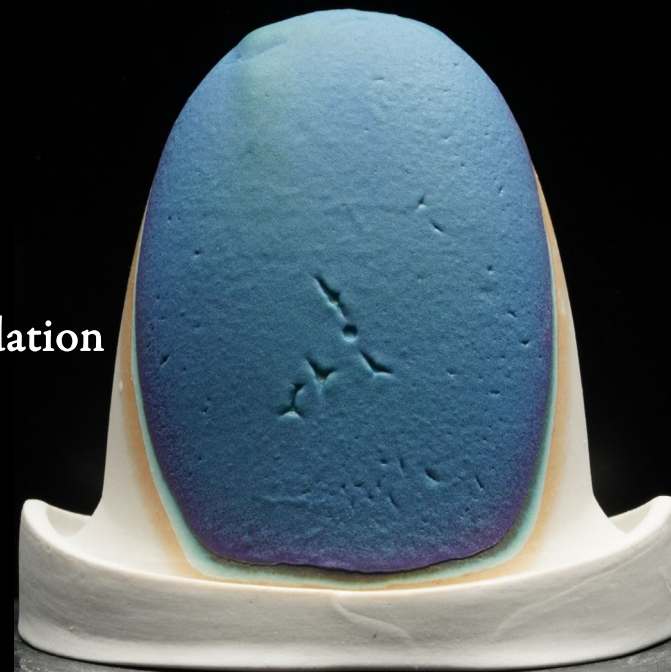
Mapping
Kaolin 5

062922-32

Neph Sy	32.12
Barium Carb	40.85
EPK	18.09
Flint	8.94
Copper Carbonate	3.09
Water	70

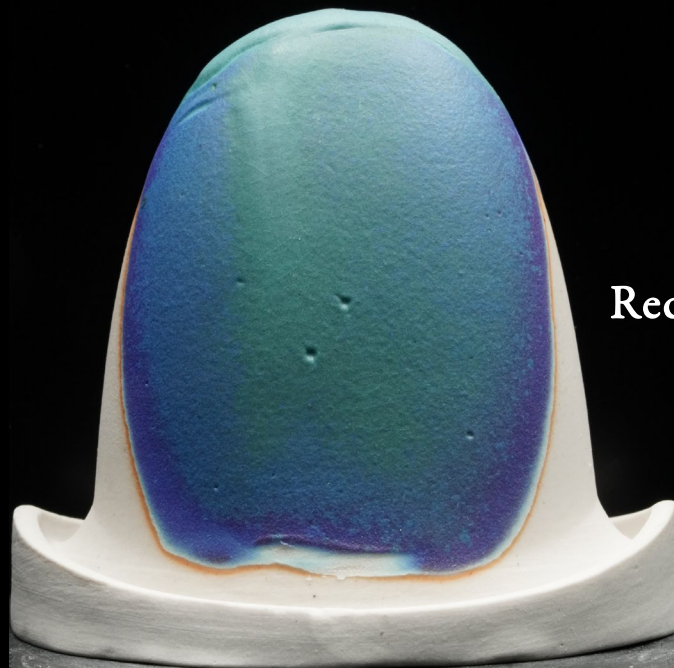


1-3 Second Dip



2-3 Second Dips

Oxidation

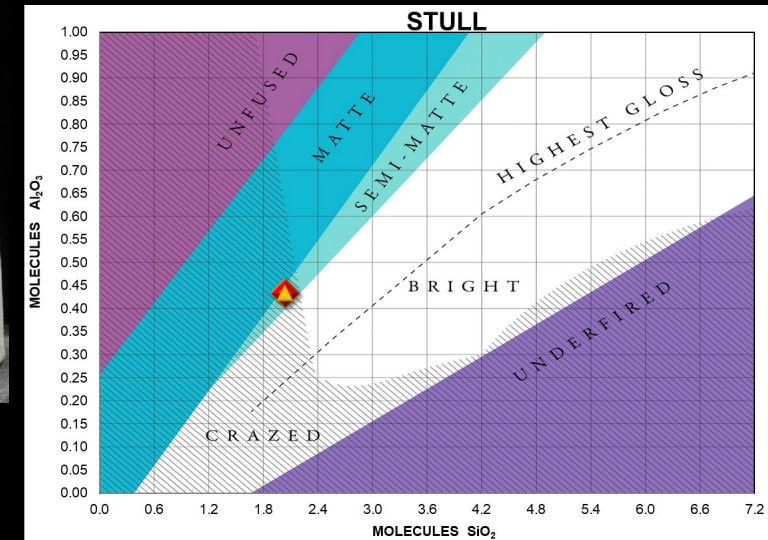


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.68 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 2.22	Collective "Al ₂ O ₃ " 0.47	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.47	Li ₂ O	CuO	SrO	BaO 0.73
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 4.68 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 2.04	Collective "Al ₂ O ₃ " 0.44	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.43	Li ₂ O	CuO 0.08	SrO	BaO 0.67
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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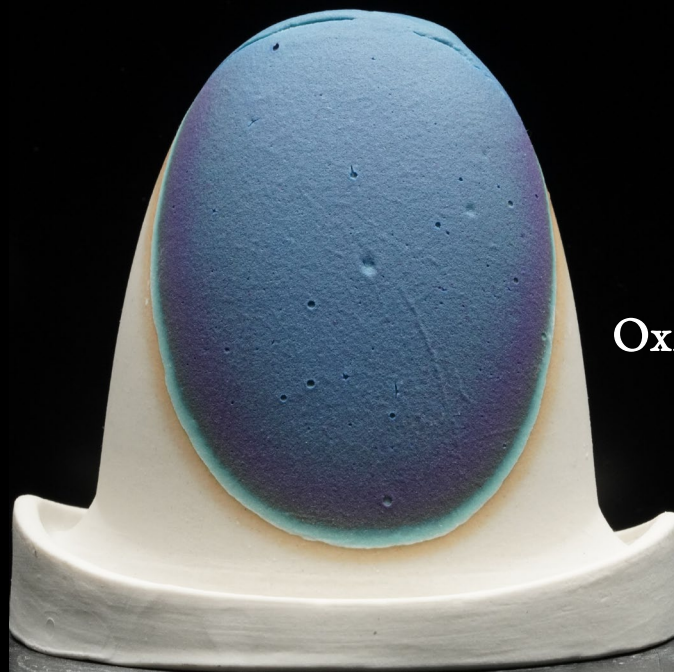
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Peacock

Mapping
Kaolin 6

062922-33

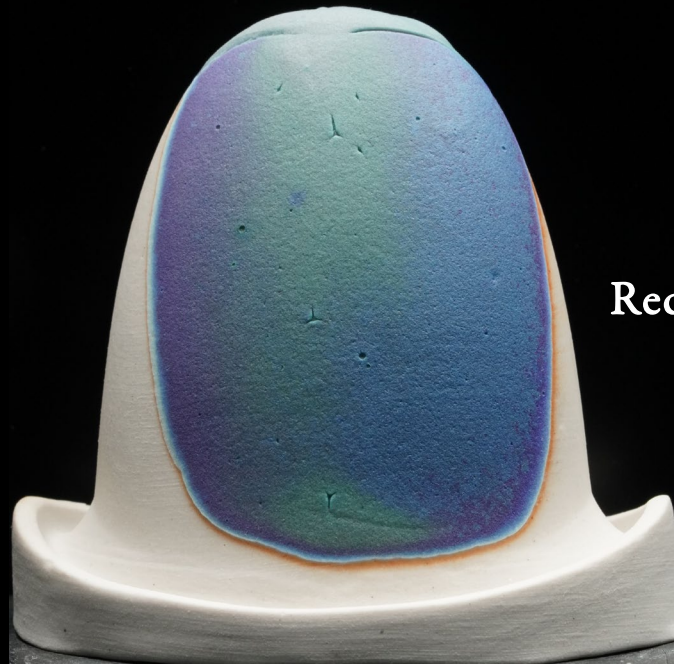
Neph Sy	30.74
Barium Carb	39.08
EPK	21.63
Flint	8.55
Copper Carbonate	3.09
Water	70



1-3 Second Dip



2-3 Second Dips



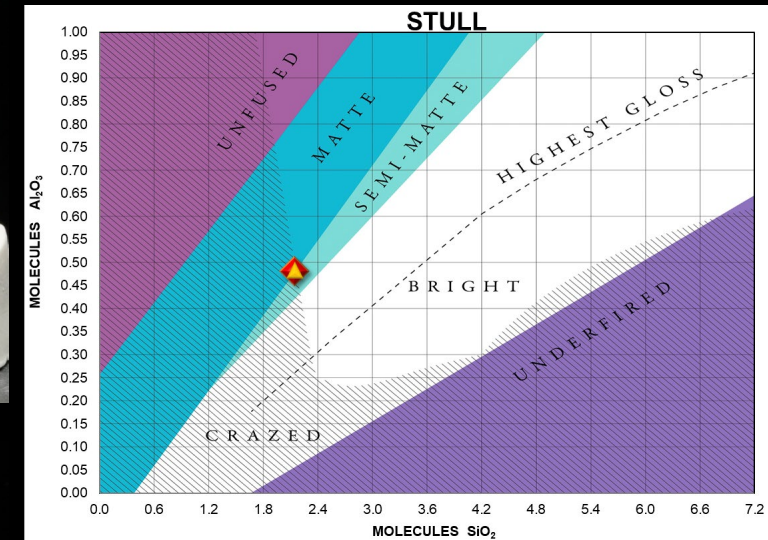
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.43 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 2.34	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.53	Li ₂ O	CuO	SrO	BaO 0.73
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 4.43 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 2.15	Collective "Al ₂ O ₃ " 0.48	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.48	Li ₂ O	CuO 0.08	SrO	BaO 0.67
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



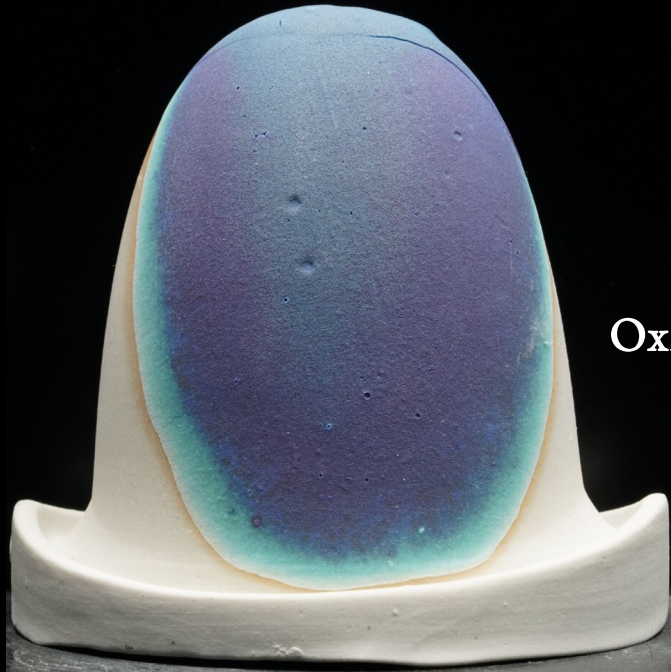
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Peacock

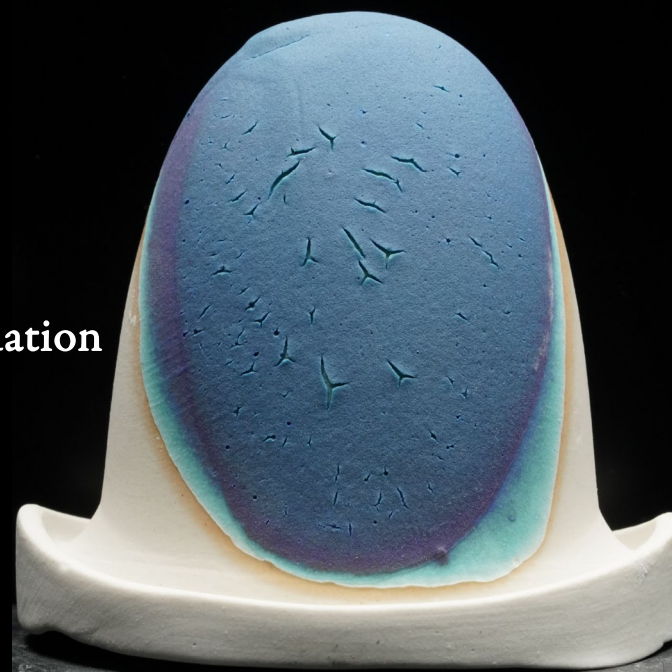
Mapping
Kaolin 7

062922-34

Neph Sy	29.46
Barium Carb	37.46
EPK	24.88
Flint	8.20
Copper Carbonate	3.09
Water	80



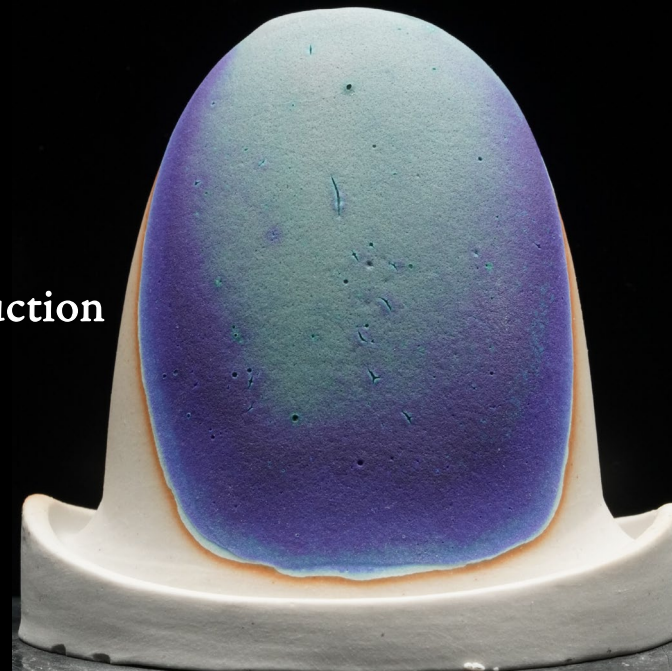
1-3 Second Dip



2-3 Second Dips



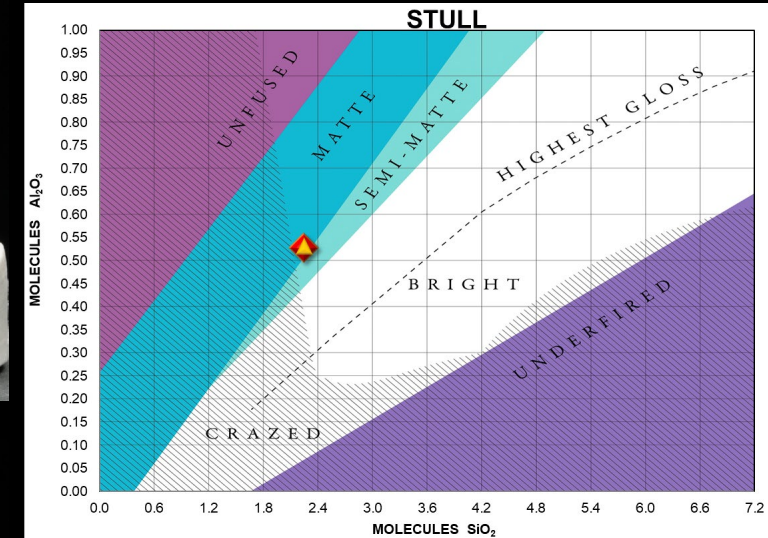
Reduction



Oxidation

UMF

SiO ₂ :Al ₂ O ₃ Ratio 4.23 :1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 2.47	Collective "Al ₂ O ₃ " 0.58	Na ₂ O 0.19	K ₂ O 0.06	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.58	Li ₂ O	CuO	SrO	BaO 0.73
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 4.23 :1		Alkali Metals 0.31		Alkaline Earths 0.69	
SiO ₂ 2.25	Collective "Al ₂ O ₃ " 0.53	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.01
B ₂ O ₃	Al ₂ O ₃ 0.53	Li ₂ O	CuO 0.09	SrO	BaO 0.66
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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