

Heart of Glass- $\Delta 6$

Lab 5b-Color Wheel 2

Heart of Glass

Original
070922-1

Neph Sy	39.82
Whiting	14.16
Zinc Oxide	12.39
EPK	8.94
Flint	22.71
Bentonite	1.98
Copper Carbonate	0.99
Water	75



1-3 Second Dip



2-3 Second Dips

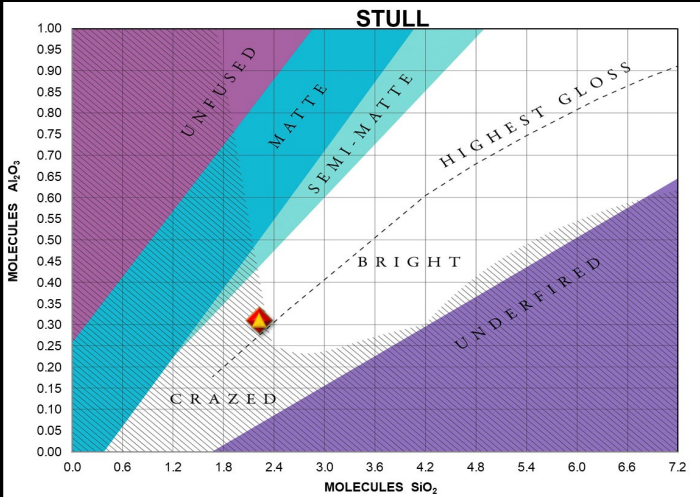


Reduction



UMF

SiO ₂ :Al ₂ O ₃ Ratio 7.14 : 1		Alkali Metals 0.22		Alkaline Earths 0.78	
SiO ₂ 2.27	Collective "Al ₂ O ₃ " 0.32	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.37
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 0.39	FeO 0.01
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO

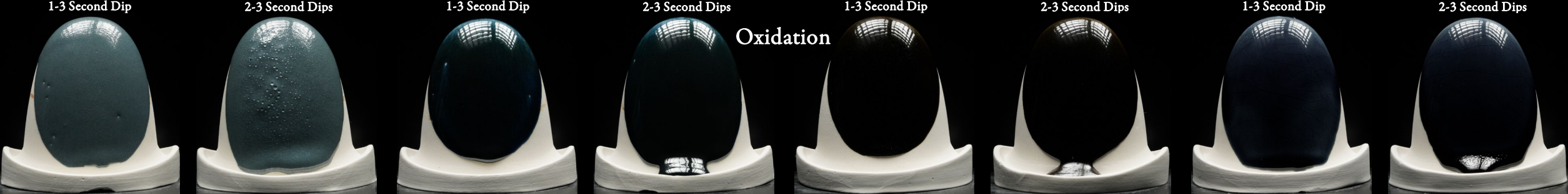


EUMF

SiO ₂ :Al ₂ O ₃ Ratio 7.14 : 1		Alkali Metals 0.24		Alkaline Earths 0.76	
SiO ₂ 2.23	Collective "Al ₂ O ₃ " 0.31	Na ₂ O 0.17	K ₂ O 0.05	MgO 0.00	CaO 0.37
B ₂ O ₃	Al ₂ O ₃ 0.31	Li ₂ O	CuO 0.02	SrO	BaO
TiO ₂ 0.00	NiO	Bi ₂ O ₃	SnO ₂	ZnO 0.39	FeO 0.00
Cr ₂ O ₃	ZrO ₂	P ₂ O ₅		MnO ₂	CoO



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Chrome Oxide 1%

Copper Carbonate 3%

Red Iron Oxide 6%

Manganese Dioxide 3%



Nickel Carbonate 2.5%

Titanium Dioxide 6%

Tin Oxide 5%

Zirconium Silicate 10%



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Cobalt Carbonate 1%

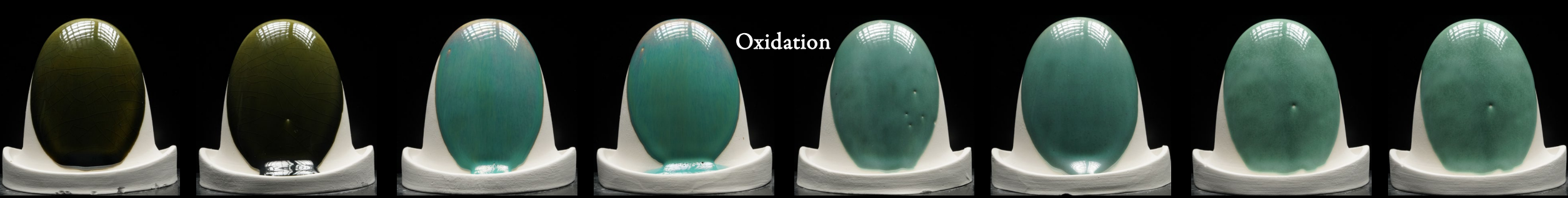
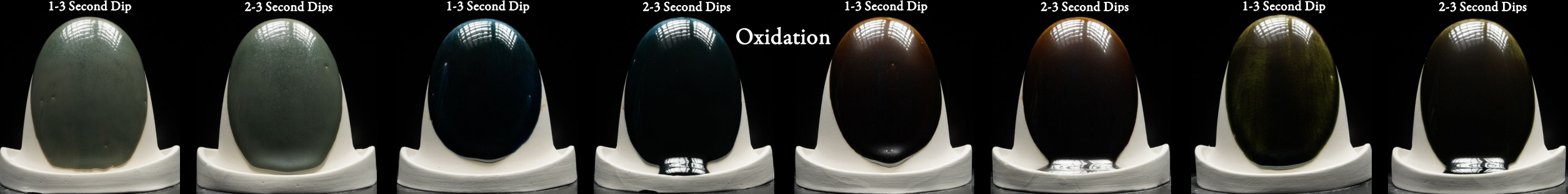
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Chrome Oxide 1%

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1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

Oxidation

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

Cobalt Carbonate 1%

Chrome Oxide 1%

Copper Carbonate 3%

Manganese Dioxide 3%

Reduction

Nickel Carbonate 2.5%

Titanium Dioxide 6%

Tin Oxide 5%

Zirconium Silicate 10%

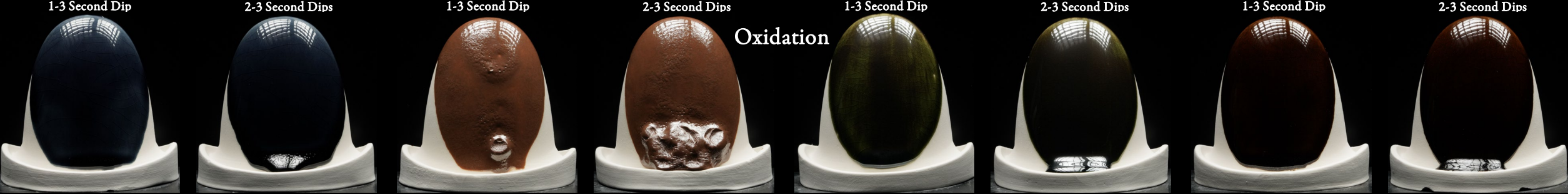
Reduction



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Red Iron Oxide 6%

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Cobalt Carbonate 1%

Chrome Oxide 1%

Copper Carbonate 3%

Red Iron Oxide 6%



Nickel Carbonate 2.5%

Titanium Dioxide 6%

Tin Oxide 5%

Zirconium Silicate 10%



1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

1-3 Second Dip

2-3 Second Dips

Oxidation

Cobalt Carbonate 1%

Chrome Oxide 1%

Copper Carbonate 3%

Red Iron Oxide 6%

Reduction

Oxidation

Manganese Dioxide 3%

Titanium Dioxide 6%

Tin Oxide 5%

Zirconium Silicate 10%

Reduction



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Nickel Carbonate 2.5%

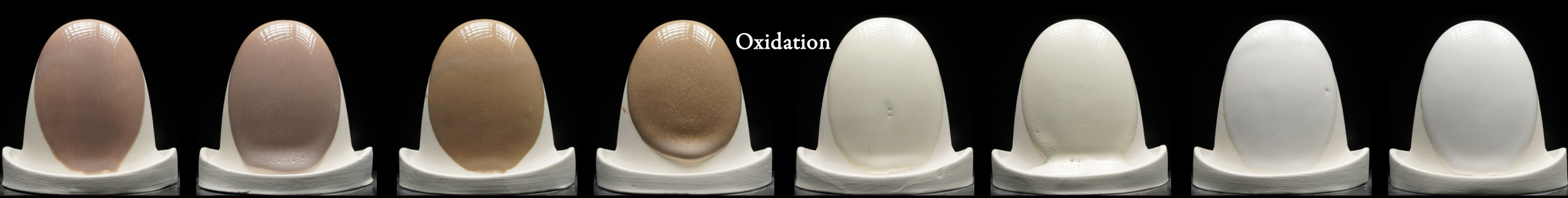
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Titanium Dioxide 6%

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Tin Oxide 5%

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Zirconium Silicate 10%

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