

Recipe Name Nepean Celadon

Cone          Surface          Color         

Firing Reduction Recipe Set High Fire

Test Sample IDs         

Date Created

Date Printed

08/05/2009

30/10/2009

Ingredients	% or Amt.		Unity	Weight %	Mole %
Feldspar--Potash	26.2				
Wollastonite	26.9	Li <sub>2</sub> O			
Ball Clay, Ceram	25.2	Na <sub>2</sub> O	0.057	0.96	0.99
Silica	21.6	K <sub>2</sub> O	0.115	2.94	1.99
		MgO	0.047	0.52	0.82
		CaO	0.781	11.90	13.52
		SrO			
		BaO			
		ZnO			
		PbO			
		Subtotal			
		Alkalis	0.172	3.90	2.98
		<b>Total</b>			
		<b>Fluxes</b>	1.000	16.33	17.32
		Al <sub>2</sub> O <sub>3</sub>	0.474	13.14	8.21
		B <sub>2</sub> O <sub>3</sub>			
		Fe <sub>2</sub> O <sub>3</sub>	0.008	0.33	0.13
		SiO <sub>2</sub>	4.282	69.93	74.15
		TiO <sub>2</sub>	0.011	0.24	0.19
		P <sub>2</sub> O <sub>5</sub>			
		Si:Al	9.03		
		Exp Coeff	64.72		
		L.O.I.	3.98		
<b>Add</b>	<b>Totals</b>				
	99.9				
Iron Oxide--Red	0.8				

Glaze Photo

Recipe Cost, \$ / lb

**Comments**

Based Digitalfire Clear, less zinc oxide. Added iron oxide.  
If there is a problem with crawling, calcine half the ball clay.