STABILITY OF CrO2

Vol. 2, No. 11

The pressure calibration of the cell was made at room temperature at the 25.5 and 27.0 kb transformations of Bi and at the 58.0 kb transformation of Ba. Temperature was determined from a watts vs temperature plot which had been previously calibrated by inserting a Pt-Pt/10 Rh thermocouple in several runs in each type of cell. The highly reproducible electrical characteristics of the cells makes this a trustworthy and time-saving procedure.

			TABLI	ΞI			
Summary	of	Runs	with	Cr0	in	NaC1	Cells

Press.Temp.Time (kb) (oC) (min) 5095020 CrO_2 60116011 CrO_2 4583012 CrO_2 25100013 CrO_2 38120015 CrO_2 50129014 CrO_2 35124015 CrO_2 , Cr_2O_3 19105010 CrO_2 ; $c/a = 0.660$ 50148010 CrO_2 ; $(c/a = 0.659)$, Cr_2O_3 40134016 CrO_2 ($c/a = 0.659$), $tr. Cr_2O_3$ 4014407 Cr_2O_3 , $tr. CrO_2$ 3012508 $Cr2O_3$ 5015109 CrO_2 , Cr_2O_3 55154010 CrO_2 , Cr_2O_3 45147010 CrO_2 , Cr_2O_3 45140012 CrO_2 35121025 CrO_2 , Cr_2O_3 35121025 CrO_2 , Cr_2O_3 35121025 CrO_2 5015259 CrO_3 , CrO_2 1580020 CrO_2 1595020 CrO_3 , CrO_2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					
65 1500 18 Cr05	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	(kb) 50 60 45 25 38 50 35 19 50 50 40 40 30 50 55 45 45 35 35 25 50 15 15 55 65	$(\circ C)$ 950 1160 830 1000 1200 1290 1240 1050 1210 1480 1340 1440 1250 1510 1540 1470 1400 1210 1340 1140 1525 800 950 1450 1500	(min) 20 11 12 13 15 14 15 10 60 10 16 7 8 9 10 10 10 12 25 15 18 9 20 20 20 15 18	Cr02 Cr02 Cr02 Cr02 Cr02 Cr02, $Cr203Cr203Cr02$; $c/a = 0.660Cr02$; $(c/a = 0.659)$, $Cr203Cr02$, $(c/a = 0.659)$, $Cr203Cr02$, $Cr02Cr203$, $Cr02Cr203$, $Cr02Cr203$, $Cr02Cr02$, $Cr02Cr02$, $Cr02Cr03$, $Cr02Cr03$, $Cr03Cr03$, $Cr03$, $Cr03Cr03$, $Cr03$, $Cr03Cr03$, $Cr03$, $Cr03$, $Cr03Cr03$, $Cr03$,	c. Cr ₂ 0 ₃