

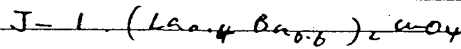
$La_2O_3$  6000       $La$  : 5116.2

$Ba$  : 5116.2 : 41.25 =  $x$  : 27.19       $x = 3372.35$

$BaCO_3$  3372.35 : 69.59 =  $x$  : 100  
 $x = 4846$

$Cu$  : 5116.2 : 41.25 =  $x$  : 15.72       $x = 1949.73$

$CuO$  1949.73 : 79.88 =  $x$  : 100       $x = 2440.8$



$La_2O_3$  ~~3000~~ 2000 x 85.27       $x = 1705.4$

$Ba$  : 1705.4 : 27.54 =  $x$  : 40.85       $x = 2529.6$

$BaCO_3$  2529.6 : 69.59 =  $x$  : 100       $x = 3635$

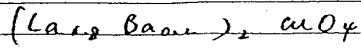
$Cu$  : 1705.4 : 27.54 =  $x$  : 15.75       $x = 2686$

$CuO$  : 2686 : 79.88 =  $x$  : 100       $x = 3362.54$

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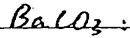
16 NOV 1986

(1) J-4



$La_2O_3 \quad 3000 \text{ mg} \quad \times 85.27 = 2558.1 \text{ mg La (x2)}$

$Ba \quad 2558.1 : 54.93 = x : 13.57 \quad x = 632.073$



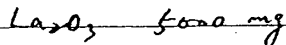
$632.07 : 69.59 = x : 100$

$x = 908.27 \text{ (BaCO}_3 \text{ (x2))}$

$Lu \quad 2558.1 : 54.93 = x : 15.70 \quad x = 731.28$

$LuO \quad 731.28 : 79.88 = x : 100 \quad x = 915.47 \times 2 = 1830.95$

(2) J-5 ~~La<sub>0.85</sub>Ba<sub>0.15</sub>O<sub>4</sub>~~



$La \quad 5000 \times 85.27 = 4263.5$

$Ba \quad = 4263.5 : 58.32 = x : 10.18$

$x = 744.21$

$BaCO_3 \quad 744.21 : 69.59 = x : 100$

$x = 1069.42$

$Lu \quad 4263.5 : 58.32 = x : 15.69$

$x = 1147.02$

$LuO \quad 1147.02 : 79.88 = x : 100$

$x = 1435.93$

$3000 \times 85.27 = 2558.10$

$2558.1 \times 58.32 = x : 10.18$

$BaCO_3 \quad x = 448.5$

$BaCO_3 \quad 448.5 \times 69.59 = x : 100$

$x = 642$

$Lu \quad 2558.1 \times 58.32 = x : 15.69$

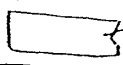
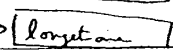
$x = 186.52$

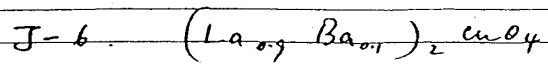
$LuO$

$186.52 : 79.88 = x : 100$

$x = 859.84$

J-4 large pt  
J-5 + small pt

J-6 →  pt.  
J-7 →  longtan



$La_2O_3$  6060  $La: 5116.20$  3000 mg

$Ba: 5116.20 : 61.73 = x : 6.78$

$Ba: 561.92$

$BaCO_3$   $561.92 : 69.59 = x : 100$

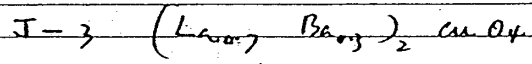
$x = 807.47$  403.735 mg

$Cu: 5116.20 : 61.73 = x : 15.69$

$Cu: 1300.39$

$CuO: 1300.39 : 79.88 = x : 100$

1627.93 813.97 mg



$La_2O_3$  5000  $x 85.27 = 4263.5$

$Ba: 4263.5 : 48.09 = x : 20.38$   $x = 1806.82$

$BaCO_3$   $1806.82 : 69.59 = x : 100$   $x = 2596.38$

$CuO$   $4263.5 : 48.09 = x : 15.71$   $x = 1392.80$

$CuO: 1392.80 : 79.88 = x : 100$   $x = 1743.62$