

densities and densities calculated from the lattice parameters are summarized in Table 3 and graphed in Figure 18.

TABLE 3  
DENSITIES OF RARE EARTH DIANTIMONIDES

Compound	Experimental Density (gm/cc)	Theoretical Density (gm/cc)
LaSb <sub>2</sub> Type		
LaSb <sub>2</sub>	6.68*	7.02*
CeSb <sub>2</sub>	6.69*	7.26*
PrSb <sub>2</sub>	6.90	7.47
NdSb <sub>2</sub>		7.55
NdSb <sub>2</sub>	6.82*	7.52*
SmSb <sub>2</sub>	7.56*	7.83*
GdSb <sub>2</sub>	7.00	8.10
TbSb <sub>2</sub>	7.19	8.25
High Pressure Orthorhombic Type		
GdSb <sub>2</sub>	8.33	8.48
TbSb <sub>2</sub>	8.47	8.63
DySb <sub>2</sub>	8.78	8.78
HoSb <sub>2</sub>	8.74	8.90
ErSb <sub>2</sub>	8.70	9.00
TmSb <sub>2</sub>	8.96	9.09
YSb <sub>2</sub>	6.92	7.13

\* Values taken from Wang and Steinfink (1).