

Table 3. EoS parameters resulting from second order Birch-Murnaghan equation of state fits of unit-cell volume and lattice parameters vs pressure for $\text{Mg}_2\text{Fe}_2\text{O}_5$. The data for Fe_4O_5 are taken from Lavina et al. (2011).

	$\text{Mg}_2\text{Fe}_2\text{O}_5$	Fe_4O_5
V_0 (\AA^3)	352.4(2)	-
K_0 (GPa)	171(4)	185.7
a_0 (\AA)	2.8917(11)	
M_a (GPa)	572(16)	
b_0 (\AA)	9.736(3)	
M_b (GPa)	583(15)	
c_0 (\AA)	12.520(15)	
M_c (GPa)	404(28)	