



## Section II: Phase Diagram Evaluations

Ar atm. The samples were annealed for 1 month at 597 °C for Sn <55 at.% and at 397 °C for Sn >55 at.%. The phase equilibria were studied mainly with x-ray diffraction. The composite isothermal section constructed by [2004Mud] is shown in Fig. 1. The binary Gd-Sn compounds Gd<sub>3</sub>Sn, Gd<sub>8</sub>Sn<sub>7</sub> and Gd<sub>3</sub>Sn<sub>4</sub> were not found by [2004Mud].

**1998Zha:** W. Zhang, C. Li, X. Su, and K. Han, An Updated Evaluation of the Fe-Gd (Iron-Gadolinium) System, *J. Phase Equilib.*, 1998, **19**(1), p 56-63

**2004Mud:** Ya. Mudryk, L. Romaka, Yu. Stadnyk, O. Bodak, and D. Fruchart, X-ray Investigation of the R-Fe-Sn Ternary Systems (R-Y, Gd), *J. Alloys Compd.*, 2004, **383**, p 162-165

## References

**1995Oka:** H. Okamoto, Comment on Gd-Sn (Gadolinium-Tin), *J. Phase Equilib.*, 1995, **16**(1), p 100-101