Hydrogen Production Properties of Aluminum–Magnesium Alloy Presenting β-Phase Al3Mg2

Laurent Cuzacq [1], Chloé Polido [1], Jean-François Silvain [1,2] and Jean-Louis Bobet [1,*]

[1] Department of Chemistry, University Bordeaux, CNRS, Bordeaux INP, ICMCB, UMR 5026, 33600 Pessac, France
[2] Department of Electrical and Computer Engineering, University of Nebraska-Lincoln, Lincoln, NE 68588, USA
* Correspondence: jean-louis.bobet@u-bordeaux.fr

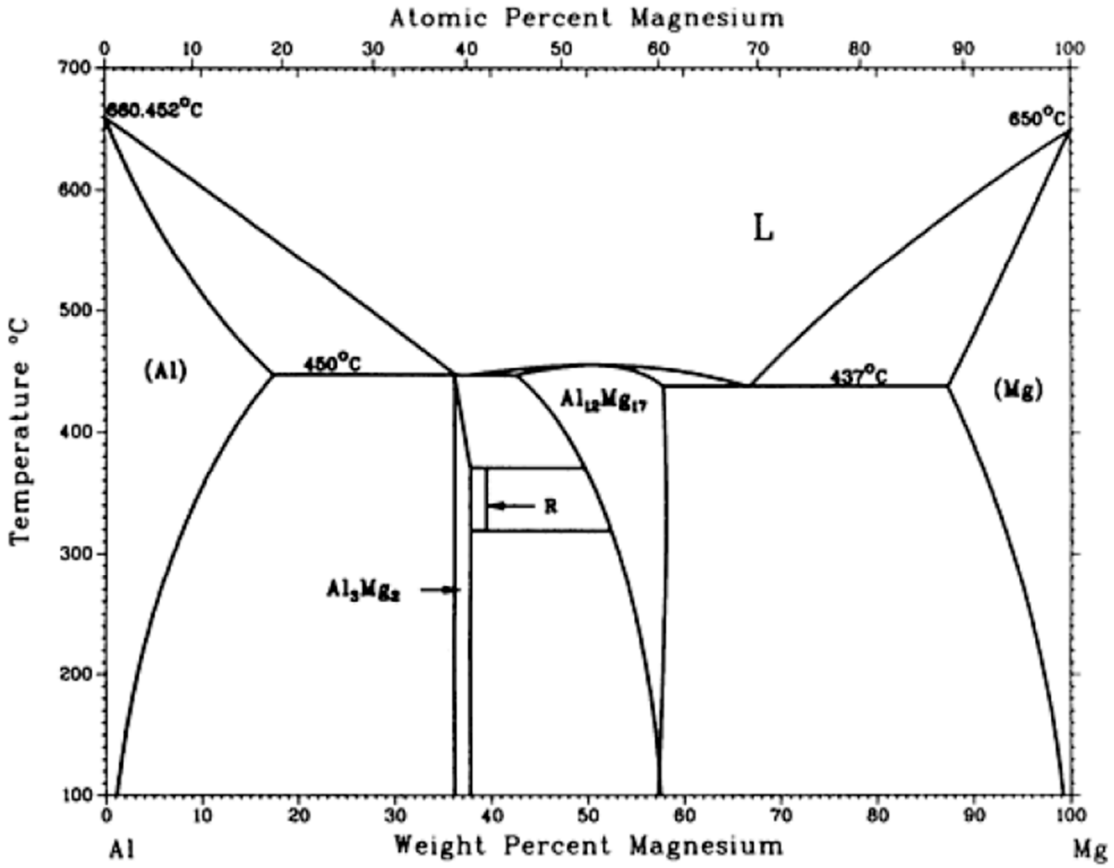

Figure S1: Al-Mg binary phase diagram. Reprinted with permission from ref. [5], Copyright 1992, ASM International.

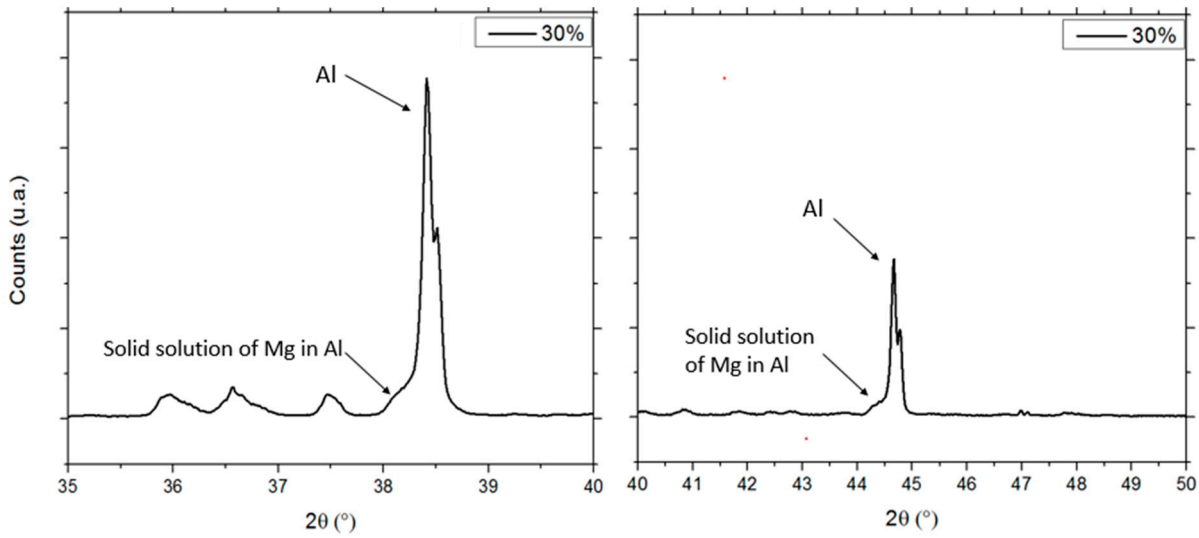

Figure S2: Zoom on the XRD of the 30 % porosity sample showing the solid solution of Mg in Al signature (shoulders on the Al peaks).

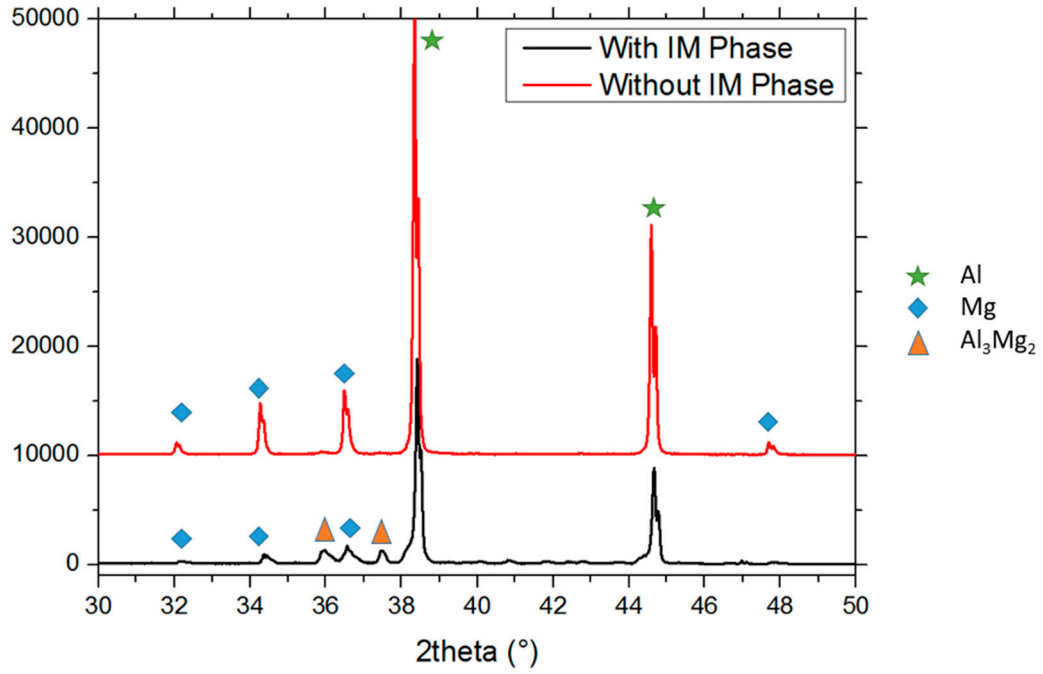

Figure S3: Comparison of XRD data for samples with the same porosity (30%) and with or without the IM phase.

Reference

5. J.L. Murray, *ASM Handbook, Volume 3, Alloy Phase Diagrams*, ASM International: Novelty, OH, USA, 1992.