Title: Effect of microstructure on corrosion behavior of Ag-30Cu-27Sn alloy in vitro media

Author: Mehdi Salehisaki Maryam Aryana

PII: S0169-4332(14)00084-1
DOI: http://dx.doi.org/doi:10.1016/j.apsusc.2014.01.056
Reference: APSUSC 27064

To appear in: *APSUSC*

Received date: 8-12-2013
Revised date: 11-1-2014
Accepted date: 11-1-2014

Please cite this article as: M. Salehisaki, M. Aryana, Effect of microstructure on corrosion behavior of Ag-30Cu-27Sn alloy in vitro media, *Applied Surface Science* (2014), http://dx.doi.org/10.1016/j.apsusc.2014.01.056

Highlights:

High cooling rates decrease the number of Ag intermetallic particles in Cu-rich phase

Increasing cooling rate improves corrosion behavior of Ag-30Cu-27Sn dental alloy

Cathode/anode ratio in Cu-rich phases determines the corrosion behavior of alloy