



Analysis of Dental Gold Alloys (Classic Reprint) (Paperback)

By W H Swanger

Forgotten Books, 2018. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Analysis of Dental Gold Alloys The study of the properties of dental gold alloys has been an important part of the general research on dental materials begun several years ago at the Bureau of Standards in cooperation with the Weinstein Research Laboratories.¹ In conducting this work on the alloys it became necessary to determine their chemical compositions. About 40 alloys were analyzed by the author while employed by the Weinstein Research Laboratories as a research associate. The purpose of this paper is to describe the methods used and to assemble them in a complete procedure for the analysis of materials of this kind. Dental gold alloys are, in general, composed chiefly of gold, silver, copper, and platinum. The proportionate amounts of these metals are usually of the order of 60 per cent of gold, 10 to 15 per cent of silver, 10 to 15 per cent of copper, and 10 per cent of platinum. Palladium is often substituted for part or all of the platinum. Many alloys contain small amounts of iridium and occasionally one is found to contain...



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