



# A Revision of the Atomic Weight of Antimony the Analysis of Antimony Bromide: A Dissertation Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in the University of

By Roy Kenneth McAlpine

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Excerpt from A Revision of the Atomic Weight of Antimony the Analysis of Antimony Bromide: A Dissertation Submitted in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy in the University of Michigan It requires only a cursory glance at the earlier reports of the International Committee on Atomic Weights to learn that the value in the tables to-day for the atomic weight of antimony rests on no secure basis. It was put forth in 1903 as a compromise between Cooke's work on the bromide, pointing to 120.0, and the work of Cooke and of Schneider on the sulfide and the work of Friend and Smith on tartar emetic, the three latter giving values ranging from 120.22 to 120.55. Careful examination of the papers dealing directly with the analytical problem shows that the uncertainty is much greater actually than the above would indicate. Disregarding the work of Berzelius, from which he selected the number 129, as well as the earlier work of Kessler, which he himself later corrected for known errors, the other...



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