



The Synthesis, Purification, and Certain Physical Constants of the Normal Hydrocarbons from Pentane to Dodecane, of N-Amyl Bromide and of N-Nonyl Bromide (Classic Reprint) (Hardback)

By B J Mair

Forgotten Books, 2017. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Synthesis, Purification, and Certain Physical Constants of the Normal Hydrocarbons From Pentane to Dodecane, of N-Amyl Bromide and of N-Nonyl Bromide Considerable precision was attained with these arrangements. Duplicate experiments were made with hexane, octane, decane, and dodecane, and in no instance was a variation greater than C. In the freezing point obtained. An examination was made of the thermometric technique in order to determine how accurately the measured temperatures agreed with the international scale of temperature. The question of conduction through the leads was studied by varying the height of the liquid above the resistance coil. Determinations of the freezing point of hexane in which this height was varied from 5 to 2 inches agreed within (1, and indicated that with the apparatus in question this effect was negligible. For the thermometer regularly used, the values of the constants given by the heat division of this bureau permitted the calculation of the temperature with an accuracy of C. In order to obtain a further test on the accuracy of this thermometer and accessories, freezing-point determinations were made on two samples,...



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