



A Study of the Saturated Potassium Chloride Calomel Cell (Classic Reprint)

By William Alvin Mudge

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from A Study of the Saturated Potassium Chloride Calomel Cell They were reblacked several times during the work, whenever any 2 gave a greater difference than 0.0002 volt. Compressed hydrogen was used exclusively; it was passed successively through alkaline permanganate solution, alkaline pyrogallate solution, water, and cotton wool to purify it; then through a hydrochloric acid solution of the same concentration as that employed in the hydrogen cell; the rate of flow was about 2 or 3 bubbles per second. Liquid Junctions. - The liquid junctions were made by dipping the ends of the siphon tubes of the component cells into a saturated solution of potassium chloride contained in a small beaker, the amounts of the solutions in all parts of a combination being so adjusted that all meniscuses were on the same level. At the beginning of the work small wooden plugs or toothpicks were used in the ends of the siphon tubes to prevent any mechanical mixing of the solutions. With these it was often found that duplicate measurements of a combination did not...



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