CHAPTER III

Iron Oxide for magnetic tape

Iron oxide required for magnetic tapes is the gamma-form, gamma-Fe₂O₃. There are many methods of preparation for this compound. From the author's work, at least two systems give mixtures of Fe₃O₄ and gamma-Fe₂O₃ which on heat treatment at 250-300°C, form pure gamma iron(III) oxide. The process flow diagram is represented by the Figure-69.
PREPARATION OF γ-IRON(III) OXIDE FOR MAGNETIC TAPES.