

Powdered KMnO_4 (5.0 g) was dissolved in a minimum amount of water by slight warming over a steam bath and the solution then filtered. Distilled acetylacetone (23.19 ml) was added to the solution with continuous stirring. A white crystalline compound was precipitated. The whole mixture was stirred for 15 min over steam bath and then allowed to cool for 10 min. The dark brown shiny crystals of Manganese(III) acetylacetonate, $\text{Mn}(\text{acac})_3$ was filtered and finally dried *in vacuo* over fused CaCl_2 .

Yield: 9.7g (87.03%)

The compound does not have sharp melting point but decomposes at *ca.* 155 °C (dec.).

M.N. Bhattacharjee, M.K. Chaudhuri and D.T. Khathing, *J. Chem. Soc., Dalton Trans.*, 1982, 669.