

FORMATION OF MANGANESE(IV) IN THE REACTION BETWEEN POTASSIUM PERMANGANATE AND SODIUM TETRAHYDROBORATE

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Source: OXIDATION COMMUNICATIONS Volume: 35 Issue: 1 Pages: 110-114

Published: 2012

Times Cited: 0 (from Web of Science)

Cited References: [11](#) [[view related records](#)] [Citation Map](#)

Abstract: The kinetic features of the reaction between potassium permanganate and sodium tetrahydroborate in buffered aqueous medium have been studied. The reaction proceeded in 2 steps: (i) the formation of the intermediate Mn(VI), and (ii) the subsequent conversion of Mn(VI) to Mn(IV). A plausible mechanism for the reaction has been suggested.

Accession Number: WOS:000302588100013

Document Type: Article

Language: English

Author Keywords: kinetics; potassium permanganate; sodium tetrahydroborate

KeyWords Plus: HOMOGENEOUS CATALYTIC ACTIVATION; MOLECULAR HYDROGEN; AQUEOUS SOLUTION; KINETICS; OXIDATION

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Funding:

Funding Agency	Grant Number
University Grants Commission, New Delhi	

[\[Show funding text\]](#)

Publisher: SCIBULCOM LTD, PO BOX 249, 1113 SOFIA, BULGARIA

Web of Science Categories: Chemistry, Multidisciplinary

Research Areas: Chemistry

IDS Number: 922ZQ

ISSN: 0209-4541