

Russian Chemical Bulletin 1995 vol.44 N2, pages 379-381

Electrosynthesis of tetraethylsilane from elemental silicon

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Abstract

Electrolysis of alkylation reagents at silicon-containing electrodes results in alkylsilanes in both cathodic and anodic processes. A mechanism for the reaction is proposed. © 1995, Plenum Publishing Corporation. All rights reserved.

<http://dx.doi.org/10.1007/BF00702159>

Keywords

alkylsilanes, electrosynthesis, silicon-containing electrodes