

Removal of trivalent chromium using hexane-extracted spent bleaching earth

ABSTRACT

The removal of trivalent chromium from synthetic solution by hexane-extracted spent bleaching earth was investigated on a laboratory scale under various conditions. Data obtained followed the Langmuir isotherm for the Cr(III)-hexane extracted spent bleaching earth. Maximum sorption was calculated to be 9.48 mg/g at room temperature.

Keyword: Hexane-extracted spent bleaching earth; Sorption; Trivalent chromium