

## 温度对TBP萃取U(NO<sub>3</sub>)<sub>4</sub>的影响

@陶成英\$中国原子能科学研究院!北京

收稿日期 1984-6-25 修回日期 网络版发布日期:

**摘要** <正> 一、前言 温度对TBP萃取U(NO<sub>3</sub>)<sub>4</sub>的影响前人研究的不多。文献[1]表明,U(NO<sub>3</sub>)<sub>4</sub>在30%TBP-煤油与2 N HNO<sub>3</sub>之间的分配系数随平衡温度的上升而略有下降。然而文献[2]的结论则与此相反。

**关键词** [U\(NO<sub>3</sub>\)<sub>4</sub>](#) [萃取平衡](#) [温度效应](#)

分类号

## THE TEMPERATURE EFFECT ON THE EXTRACTION OF URANOUS NITRATE BY TBP

TAO CHENGYING Institute of Atomic Energy, P. O. Box 275, Beijing

**Abstract** The temperature effect on the extraction of uranous nitrate by TBP was not thoroughly investigated and there is inconsistency in the published data. The temperature effect on the distribution coefficient of U(NO<sub>3</sub>)<sub>4</sub> between 30% TBP--kerosene and 1--4 N HNO<sub>3</sub> is studied in this work and the thermodynamic functions of the extraction equilibrium are reported when the acidity of the aqueous phase is 1.12m and 2.20m respectively.

**Key words** [Temperature effect](#) [Uranous nitrate](#) [Extraction](#)

DOI

通讯作者

### 扩展功能

#### 本文信息

- ▶ [Supporting info](#)
- ▶ [\[PDF全文\]\(236KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [参考文献](#)

#### 服务与反馈

- ▶ [把本文推荐给朋友](#)
- ▶ [文章反馈](#)
- ▶ [浏览反馈信息](#)

#### 相关信息

- ▶ [本刊中 包含“U\(NO<sub>3</sub>\)<sub>4</sub>”的 相关文章](#)
- ▶ [本文作者相关文章](#)