

## 阴离子交换树脂锥形床与筒形床效能比较

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**摘要** <正> 关于离子交换树脂锥形床与筒形床的效能比较研究迄今尚未见诸文献。然而,流体在锥形床内的流动线速度是连续变化的而与筒形床不同,这种差别会不会造成两种床效能的差别呢?我们从离子交换法净化硝酸铊溶液中的铊时难以去除钍杂质的问题着手,采用对比实

**关键词** [阴离子交换](#) [锥形床](#)

分类号

### THE COMPARISON OF EFFICIENCIES BETWEEN ANION EXCHANGE RESIN CONE BED AND COLUMNAR BED

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**Abstract** A comparative study was made of the removal of Th and the separation of Np--Th by anion exchange resin cone bed and columnar bed from nitric acid solutions. Experimental results proved that the ratio of Th/Np was not over 0.5% in product and the recovery of Np was always over 90% by cone bed or columnar bed under fixed conditions. Cone bed is superior to columnar bed, since higher recovery of Np, higher process rate and less expense of washing liquid could be obtained with former on condition that Np--Th separation results are the--same.

**Key words** [Anion exchange](#) [Cone bed](#)

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通讯作者

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