

## Discrimination on Concept of Salt Effect

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**Abstract:** As a widely used concept salt effect is presenting different interpretations in some related subjects in chemistry. Some extensive misinterpretations on concept of salt effect have appeared. The examples are the appearance of the term as “positive salt effect” appeared in chemical interdisciplinary subjects and the statement that “salt effect sometimes can be called as non common ion effect”. It could seen from the appearance of many identical quality phenomena which exceed the defined range of salt effect such as non-salt substances as acid, base and specific organic chemicals could be act as salting-out agent that the definition of salt effect is presenting certain limitations. With the review of the development route of the concept-salt effect in China and the analysis of some adaptable examples, the suggestion for the unification of salt effect has proposed.

**Key words:** Salt effect; Salting in; Salting out; Common ion effect

## 简讯：一里坪盐湖综合利用项目有序进行

由中国五矿—五矿盐湖有限公司与中国科学院青海盐湖研究所联合开发的“一里坪盐湖卤水锂硼镁综合利用”项目，配合引进德国多级锂离子浓缩高镁锂比提锂技术，针对一里坪盐湖卤水进行提锂工艺技术二次研发。目前已经完成了一里坪盐湖晶间卤水的盐田蒸发试验工作，确定了卤水的蒸发析盐规律，获取了相关的盐田工艺技术参数；通过卤水改性、优化盐田工艺，解决了盐田老卤镁锂比值高的技术难题；研发出了一种新型、高效、清洁、节能的镁锂分离工艺，最终得到的富锂卤水镁锂比值在1:1以下，成功进行了扩大试验，申请了相关专利，确定了适合一里坪盐湖资源特点的先进提锂工艺，用于该盐湖综合利用建设项目，为全面开发一里坪盐湖资源提供了技术保障。

一里坪盐湖锂矿锂硼钾资源综合利用项目的开工，是贯彻落实青海省十二次党代会提出建设柴达木国家循环经济发展先行区目标的具体体现，也是建设“效率海西”的有力举措。项目正式开工建设，标志着柴达木循环经济试验区在盐湖资源梯次开发利用方面又迈出了新的步伐。该项目建成后，必将进一步提升柴达木盆地盐湖资源综合利用水平，促进产业创新，延伸产业链条，全面做好、做强、做大盐湖产业，对加快柴达木资源优势向经济优势转变具有重要意义。

(中国五矿—五矿盐湖有限公司 张大义； 中国科学院青海盐湖研究所 王 敏)