

⁷Li in the Form of Lithium Hydroxide Monohydrate for the Nuclear Industry



Enriched Lithium Hydroxide Monohydrate for use as an alkalizing agent in pressurized water reactors.

Our Lithium-7 is specifically designed to meet the quality requirements of the nuclear power industry:

- **Grade „X“** is a material of x-tra high purity and enrichment, far exceeding the requirements of all NPP specifications.

${}^7\text{LiOH} \cdot \text{H}_2\text{O}$ - Grade "X"

Specification

Physical and chemical properties:

- Material ${}^7\text{Li}$ in the form of $\text{LiOH} \cdot \text{H}_2\text{O}$.
- Enrichment ${}^7\text{Li} \geq 99.95\text{at}\%$
- Total ${}^7\text{LiOH}$ content 48wt% - 58wt%
- Water content 42wt% - 52wt%.

Impurities in $\mu\text{g/g}$

| | |
|----------------|-------------|
| Al | ≤ 5 |
| Ca | ≤ 10 |
| Cl | ≤ 20 |
| Cu | ≤ 1 |
| F | ≤ 200 |
| Fe | ≤ 10 |
| Hg | ≤ 0.05 |
| K | ≤ 10 |
| Mg | ≤ 5 |
| Na | ≤ 10 |
| Pb | ≤ 0.2 |
| PO_4 | ≤ 200 |
| SiO_2 | ≤ 250 |
| SO_4 | ≤ 100 |
| Zn | ≤ 1 |
| Insolubles | ≤ 1000 |

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