Lithium 7 in the form of Lithium Hydroxide Monohydrate

Description

Lithium-7 as Hydroxide Monohydrate (7LiOH-H2O) is mainly used in the nuclear power industry as an alkalizing additive to the coolant of the primary circuit of PWR-reactors to adjust water-chemistry pH. It is also used as the main component in ion-exchange membranes in water treatment applications.

Physical and Chemical Properties:

Material	7Li in the form of LiOH*H2O.
Enrichment	7Li ≥ 99.95at%
Total 7LiOH content	55 – 58 wt%
Water content	42 – 45 wt%

Impurities fraction of total mass, %?

Pb	≤ 0.001
Hg	≤ 0.00005
Cl	≤ 0.01
SO4	≤ 0.01
Na	≤ 0.002
Fe	≤ 0.001
PO4	≤ 0.05
Si	≤ 0.05
Zn	≤ 0.0005
Insolubles	≤0.1
Lithium carbonate	≤1.3

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