

Futura Lithium Reports Positive Test Results at Argentina Project

Tuesday, October 11, 2022 – Toronto, ON; Futura Lithium Corp. today announces that the latest testing analysis at the company's project in Salta Province, Argentina concluded with very positive results. The testing operations were extremely encouraging in all aspects, with the overall results showing a recovery rate of 91% of lithium from the tested brine.

The testing performed for Futura Lithium Corp. was conducted in conjunction with the technology providers Kruss Scientific using an evaluated four stage process:

1. Pre-Treatment \Rightarrow removal of divalent ions including alkaline earth elements by membranes (LiP™) and chemical precipitation;
2. Solvent Extraction (LiSX™) \Rightarrow preferential extraction and concentration of lithium from the pre-treated brine to make a high purity lithium sulphate solution;
3. Electrolysis (LiEL™) \Rightarrow conversion of high-purity lithium sulphate solution into high purity lithium hydroxide solution; and,
4. Crystallization \Rightarrow evaporation, crystallization and centrifuge separation of battery-grade lithium hydroxide crystals.

Process for commercial scale lithium production at the Salta Province project:

1. Achieved overall lithium recovery of 91% from the tested brine;
2. Successfully removed the major interfering elements from the solvent extraction (SX) feed brine: calcium (Ca), magnesium (Mg), boron (B) and strontium (Sr);
3. Achieved 98% extraction of lithium by LiSX;
4. Achieved high lithium concentration factors, approximately 65x, during the LiSX stage;
5. Crystallized battery-grade lithium hydroxide monohydrate with a high quality grain size and morphology;
6. Identified several areas in the process that are prime for improvement and effective utilization of costs and efficiencies in the future full scale production.

Futura Lithium Corp. is currently in negotiations with one of the largest global lithium battery manufacturers for large scale equity financing that will bring the Salta Province project into operation by the second half of 2023. The negotiations are progressing smoothly with an agreement expected to be reached by the first quarter of 2023.

About the Company:

Futura Lithium Corp. controls the Salar de Valle Salado Lithium Brine Project, located in the Atacama Region of Northern Chile, in a joint venture partnership with SQM. The company also maintains a large lithium brine project in Salta Province in northwest Argentina. Furthermore, Futura Lithium Corp. is developing a major lithium project in Zacatecas State, Mexico.

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