

Telescope Innovations Files Game-Changing Provisional Patent to Purify Battery Materials

A novel refinement process generates battery-quality lithium carbonate in a single step

Vancouver, British Columbia--(Newsfile Corp. - January 23, 2024) - Telescope Innovations Corp. (CSE: TELI) (OTCQB: TELIF) ("**Telescope**" or the "**Company**") is a developer of advanced technologies and services for the global pharmaceutical and chemical industries. The Company focuses on process innovation, particularly for the production of medicinal compounds and battery materials. Telescope announces it has filed a provisional patent application (63/606,069) on a disruptive new technique to purify lithium carbonate, a critical mineral building block for lithium ion battery production and particularly for low-cost LFP battery chemistries. This is Telescope's second application related to processing battery raw materials, the first of which provides a [low-temperature method for generating lithium sulfide](#).

The current provisional application describes a single-step process that produces battery-grade, >99.9% lithium carbonate from crude material of 20-95% purity (Figure 1). This technology can dramatically reduce the requirement for pre-processing of crude lithium brine feeds, which conventionally accounts for up to 80% of refinement costs.

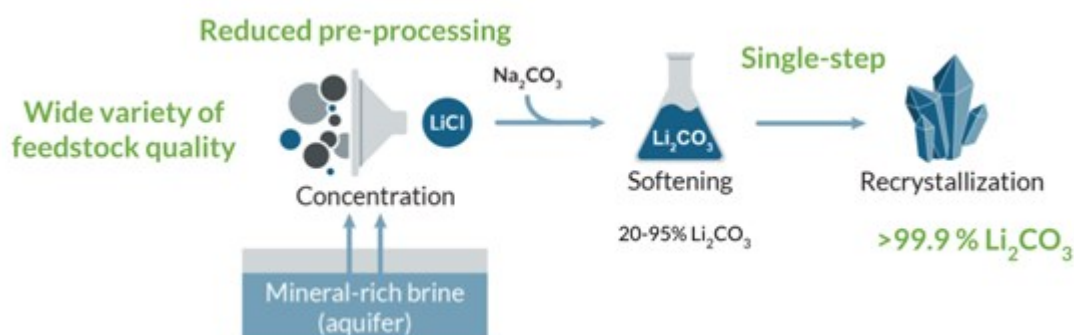


Figure 1. Telescope's new process produces >99.9 % lithium carbonate (Li_2CO_3) from crude mixtures.

To view an enhanced version of this graphic, please visit:

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To discover this new method, Telescope leveraged its rich expertise in pharmaceutical process development and crystallization. *"The requirements for high purity, scalability, batch-to-batch consistency, and continuous operation are the same in the pharma and critical mineral industries,"* explained Jason Hein, CEO of Telescope. *"It's cross-sector innovation. We brought the cutting-edge tools we use to advance pharmaceutical R&D, like our online analytical platforms, automation, and artificial intelligence tools, and applied them to the battery manufacturing space."*

The Company aims to deploy its intellectual property through partnership and licensing models in the battery materials industry, leveraging its established and productive relationships with [Standard Lithium Ltd.](#), [Natural Resources Canada](#), and [Canada's Mining Innovation Commercialization Accelerator](#), among others. *"As our network grows, we're strengthening existing partnerships and pursuing new opportunities to deploy and capitalize on our growing IP portfolio,"* added Hein.

About Telescope

[Telescope](#) is a chemical technology company developing scalable manufacturing processes and tools for the pharmaceutical and chemical industry. The Company builds and deploys new enabling

technologies including flexible robotic platforms and artificial intelligence software that improves experimental throughput, efficiency, and data quality. Our aim is to bring modern chemical technology solutions to meet the most serious challenges in health and sustainability.

On behalf of the Board,

Telescope Innovations Corp.

Jason Hein, Chief Executive Officer

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Forward-Looking Information

Forward-looking information is based on a number of opinions, assumptions and estimates that, while considered reasonable by the Company as of the date of this news release, are subject to known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information.

Forward-looking statements in this document include expectations surrounding the use and viability of Provisional Patent Application No. 63/606,069 for lithium carbonate purification, potential impacts of this technology on the refinement cost of lithium carbonate, the Company's ability to deploy its intellectual property through partnership and licensing models in the battery materials industry, and all other statements that are not statements of historical fact.

Examples of such assumptions, risks and uncertainties include, without limitation, assumptions, risks and uncertainties associated with the global COVID-19 pandemic; general economic conditions; adverse industry events; the Company's ability to access sufficient capital from internal and external sources, and/or inability to access sufficient capital on favorable terms; the ability of the Company to implement its business strategies; competition; and other assumptions, risks and uncertainties.

The forward-looking statements contained in this news release are made as of the date of this news release, and the Company expressly disclaims any obligation to update or alter statements containing any forward-looking information, or the factors or assumptions underlying them, whether as a result of new information, future events or otherwise, except as required by law.

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