

20 June 2023

## Brines sent to University of Melbourne Pilot Plant for Ekosolve™ Lithium Chloride Extraction Efficiency Test

### Highlights

- **20 Litres of brine** was extracted 18 metres away from hole 16 at Cilon where the brine was assayed at **1,122ppm Lithium\*** at 707024.4E 7409988.8N.
- Four assays of the brine collected were assayed at an **arithmetic average of 308.57 ppm Li** using a Turbospec E400 analyser for lithium and boron.
- The **highest extraction rate** achieved by Ekosolve™ has been approximately **96% Lithium** using the Ekosolve™ technology for brines sampled at Pocitos 7, Pocitos Salar that averaged 97ppm (Pocitos 7 is not an asset of PL3).
- The brines have been received and tests will be conducted at the University of Melbourne Chemical Engineering department, Parkville in Melbourne.

\* ASX release dated 2 June 2023, "Sampling at Formentera and Cilon Assays 1,122ppm Lithium".

**Patagonia Lithium Ltd (ASX:PL3 or Company)** is pleased to announce that twenty litres of brine has been received at the Ekosolve™ test facility at the University of Melbourne to have the brines tested using Direct Lithium Extraction Technology. The Ekosolve™ system uses approximately 2,400L of fresh water for every one tonne of 99.5% purity lithium chloride produced. See [www.ekosolve.com.au](http://www.ekosolve.com.au) \*\*for more information.



Figure 1. Extraction well from where the brine was extracted and sampled after settling

\*\* Panopus Pte Ltd owns 50% of Ekosolve Limited. Phillip Thomas owns 100% Panopus Pte Ltd.

### Capital structure

58.6m - PL3 shares

5.5m - unquoted options

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### Board

Phil Thomas - Exec Chair

Paul Boyatzis - NED

Gino D'Anna - NED

Jarek Kopias - Co Sec



Figure 2. Assay of one of the four samples showing 313.026 ppm lithium



Figure 3. Chemical analyst using the TurboSpec E400 lithium assay machine on Patagonia Lithium brines

The brines will undergo several tests with various concentrations of solvents to brines and lithium yields will be maximised as the data is assembled. A full report will be produced which will assist in the pre-engineering studies once a resource is identified from drilling.

Authorised for release by the Board of the Company. For further information please contact:

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*The Company confirms that it is not aware of any new information or data that materially affects the previously released cross referenced exploration results. The brine collected and averaged sample sent for processing has previously been reported on 2 June 2023 as "Sampling at Formentera and Cilon Assays 1,122ppm Lithium".*