



NEWS RELEASE

TSXV: CYP | OTCQX: CYDVF

**CYPRESS DEVELOPMENT CONFIRMS PRODUCTION OF  
BATTERY GRADE LITHIUM CARBONATE**

**September 19, 2022 – Vancouver, Canada – Cypress Development Corp. (TSXV: CYP) (OTCQX: CYDVF) (Frankfurt: C1Z1)** (Cypress or Company) is pleased to report it has achieved a significant milestone with the production of 99.94% lithium carbonate ( $\text{Li}_2\text{CO}_3$ ) made from lithium-bearing claystone from the Company’s 100%-owned Clayton Valley Lithium Project in Nevada, USA (Project). The  $\text{Li}_2\text{CO}_3$  was derived from the intermediate concentrated lithium solution produced at Cypress’ Lithium Extraction Facility in Amargosa Valley, Nevada (Pilot Plant). Following direct lithium extraction (DLE) at the Plant, Saltworks Technologies Inc. (Saltworks) completed the processing system design and pilot work to make the  $\text{Li}_2\text{CO}_3$ .

“These are excellent results for the initial iteration of testing and will be incorporated into our on-going Feasibility Study on the Project” stated Bill Willoughby, Cypress President, and CEO. “We are pleased to receive comprehensive assays validating the extraction process we have designed for our Project. Exceeding the standard for battery grade lithium carbonate checks-off an important goal for the Company and its further development of the Project.”

Cypress executed pilot operations through to production of ‘three nines’  $\text{Li}_2\text{CO}_3$  that exceeds the standard battery grade specifications below. All processing was completed with material from the Company’s Project in an end-to-end automated pilot plant that represents full scale production. Independent analyses of product samples were completed by SGS Canada Inc., with the results showing greater than 99.9 weight-percent (wt%) purity in a scalable representative process.

Constituent	Concentration	Battery Grade Spec - $\text{Li}_2\text{CO}_3$	Cypress $\text{Li}_2\text{CO}_3$
$\text{Li}_2\text{CO}_3$	wt%	>99.5%	99.94%
$\text{H}_2\text{O}$	wt%	<0.5%	0.01%
Na	wt%	<0.05%	0.02%
Ca	wt%	<0.04%	0.02%
Al	Wppm	<10	6
Cu	Wppm	<5	<4
Ni	Wppm	<6	<5
Zn	Wppm	<5	<5
Cl	wt%	<0.01%	0.008%

Notes: wt% (weight percent), wppm (weight parts per million)

“Our team is pleased with the outcome at Saltworks, and their support of our Project,” stated Bill Willoughby. “Cypress has engaged Saltworks to integrate their designs into our pilot plant program and look forward to their continued work on the Project.”

The final product surpasses industry requirements for standard battery grade  $\text{Li}_2\text{CO}_3$  and has achieved industry requirements for enhanced battery grade  $\text{Li}_2\text{CO}_3$  for xEV use. It is common practice for lithium battery manufacturers to have specific requirements for  $\text{Li}_2\text{CO}_3$  used in their products dependant on application.

### **Qualified Person**

Daniel Kalmbach, CPG, is the qualified person as defined by National Instrument 43-101 and has approved the technical information in this release.

### **About Cypress Development Corp**

Cypress Development Corp. is a Canadian based advanced stage lithium company, focused on developing its 100%-owned Clayton Valley Lithium Project in Nevada, USA. Cypress is in the pilot stage of testing on material from its lithium-bearing claystone deposit and progressing towards completing a Feasibility Study and permitting, with the goal of becoming a domestic producer of lithium for the growing electric vehicle and battery storage market.

### **ON BEHALF OF CYPRESS DEVELOPMENT CORP.**

WILLIAM WILLOUGHBY, PhD., PE  
*President & Chief Executive Officer*

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