

EMP Metals Corp. Reports 99.7% Lithium Carbonate From Viewfield Pilot Program

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VANCOUVER, Dec. 10, 2024 - [EMP Metals Corp.](#) (CSE: EMPS) (OTCQB: EMPPF) ("EMP Metals" or the "Company") is pleased to report the results of a lithium conversion pilot run on brine sourced from the Company's Direct Lithium Extraction ("DLE") Field Pilot Facility (the "Facility") in Saskatchewan.

The DLE pilot produced concentrated eluate onsite in Saskatchewan with lithium concentrations exceeding 2,000 mg/L. The concentrated eluate was delivered to Saltworks Technologies, ("Saltworks") headquartered in Richmond, BC, for processing through their onsite lithium refinery. Saltworks' single-step crystallization process converted the eluate into drums of battery-grade lithium carbonate for dispatch to off-takers.

The conversion pilot produced battery-grade lithium carbonate at a purity of 99.7%, as detailed in Table 1 below.

Table 1:

¹ Typical EMP Metals Battery Pilot 10 - Grade - Li ₂ CO ₃ Results Li ₂ CO ₃			
Li ₂ CO ₃ g/t	99.50 %	99.7%*	
	wt%		
H ₂ O	wt%	<0.5%	<0.05%
Na	wt%	<0.05%	<0.009%
Ca	wppm	400	9
Fe	wppm	<5	4
Al	wppm	<10	<2
Cu	wppm	<5	<1
Ni	wppm	<6	<6
Zn	wppm	<5	<7
Cl	wppm	100	18
SO ₄	wt%	<0.1%	<0.1%

*Lithium purity calculated from sum of measured impurities
Independent laboratory testing was conducted by SGS Canada Inc.

Paul Schubach, COO of EMP Metals, stated, "This milestone demonstrates the effectiveness of our integrated approach to lithium production. Achieving 99.7% pure battery-grade lithium carbonate validates the quality of our resource and the efficiency of our partnership with Saltworks. It's a significant step forward in our mission to meet the growing demand for a sustainable Canadian lithium supply."

Saltworks CEO, Benjamin Sparrow, commented, "EMP Metals has an impressive resource, team, and site.

The combination of solid on-site infrastructure, methodical leadership, and quality brine allowed for straightforward processing of EMP's eluate into battery-grade lithium carbonate."

Qualified Person

The technical content of this news release has been reviewed and approved by Greg Bronson, P. Geo., a qualified person for the purpose of National Instrument 43-101.

About EMP Metals

EMP Metals is a Canadian-based lithium exploration and development company focused on large-scale resources using direct lithium extraction (DLE). EMP Metals currently holds 196,000 net (79,300 hectares) acres of Subsurface Dispositions and strategic wellbores in Southern Saskatchewan. For more information, please go to the Company's website at www.empmetals.com

¹Source: Online,

<https://arcadiumlithium.com/wp-content/uploads/2024/07/QS-PDS-1060-r4-Lithium-Carbonate-Micronized-Battery-Grade>

Forward-Looking Statements

Information set forth in this news release contains forward-looking statements that are based on assumptions as of the date of this news release. These statements reflect management's current estimates, beliefs, intentions and expectations. They are not guarantees of future performance. EMP Metals cautions that all forward-looking statements are inherently uncertain, and that actual performance may be affected by a number of material factors, many of which are beyond EMP Metals' control. Such factors include, among other things: risks and uncertainties relating to EMP Metals' limited operating history, ability to obtain sufficient financing to carry out its exploration and development objectives on its mineral properties, obtaining the necessary permits to carry out its activities and the need to comply with environmental and governmental regulations. Accordingly, actual and future events, conditions and results may differ materially from the estimates, beliefs, intentions and expectations expressed or implied in the forward-looking information. Except as required under applicable securities legislation, EMP Metals undertakes no obligation to publicly update or revise forward-looking information.

The Canadian Securities Exchange has neither approved nor disapproved the information contained herein and does not accept responsibility for the adequacy or accuracy of this news release.

SOURCE EMP Metals Corp

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