

ASX Announcement

27 October 2014

COMPANY DETAILS

ABN: 29 126 129 413

PRINCIPAL AND REGISTERED OFFICE

Cobre Montana NL
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ASX CODE

CXB

CORPORATE INFORMATION

(27 September 2014)
196M Ordinary Shares
52M Contributing Partly Paid Shares
13M Unlisted Options

BOARD OF DIRECTORS

Eduardo Valenzuela
(Non-Executive Chairman)
Adrian Griffin
(Managing Director)
Bryan Dixon
(Non-Executive Director)

Battery-grade lithium carbonate produced by Cobre Montana (ASX:CXB).

HIGHLIGHTS

- High-grade lithium concentrates produced by flotation (3.34% Li₂O)
- 99.5% lithium carbonate produced from lepidolite (a lithium mica)

Battery grade lithium carbonate production

Cobre Montana NL (ASX:CXB) has demonstrated the ability to use lepidolite to produce battery-grade lithium carbonate during proof-of-concept testing. The lithium carbonate had a purity of 99.5% and low-levels of impurities, as follows:

Assay by ICP (ppm)								
K	S	Ca	Mg	Al	Mn	Cs	Rb	
1390	755	160	80	0.0	9	0.0	0.0	

High-grade float concentrates from lepidolite

The lithium carbonate was generated from lepidolite concentrates recovered from Lepidolite Hill, part of the Coolgardie Rare Metals Venture, an initiative of CXB and Focus Minerals Limited (ASX:FML). These concentrates had a yield of 81% and grade of 3.34% Li₂O

New source of lithium

Production of battery-grade lithium carbonate from lepidolite, paves the way for lepidolite to be used as a lithium ore. The process used was an energy-efficient, hydrometallurgical process developed by Perth Based Strategic Metallurgy. This potentially requires less energy input than competing production from lithium brines or spodumene processing, the main sources of lithium carbonate.

Independent review

Having successfully completed the first proof-of-concept test, CXB intend to commission an independent metallurgical review of the process.

For further information contact:

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ABOUT COBRE MONTANA

Cobre Montana NL (ASX:CXB) has a strategic alliances with Focus Minerals Limited to investigate lithium and rare metals in the Coolgardie region of Western Australia. Cobre also has lithium exploration assets near Ravensthorpe, in Western Australia. Lithium extraction technology is being advanced through a technical alliance with Strategic Metallurgy P/L. Cobre also holds a 55% interest in the Piedrecillas copper/silver project 180km SW of Santiago, Chile, in an under-explored region which hosts the world's largest underground copper mine.