ASX RELEASE **LPI.ASX**

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LPI PRODUCES BATTERY GRADE LITHIUM CARBONATE WITH 99.92% PURITY FROM MARICUNGA PROJECT

HIGHLIGHTS

- **Optimisations introduced to the production process of LPI's Maricunga lithium project exceed industry standards, with 99.92% purity battery grade lithium carbonate being produced from samples of concentrated brine.**
- **Technical certification by IBZ Salzchemic GnbH & Co, under international standards, was conducted under the supervision of GEA Messo in Germany and LPI's experts in Chile.**
- **Samples will now be sent to potential lithium buyers for analysis as part of LPI's financing plans for mine construction at Maricunga.**

Lithium Power International Limited (**ASX: LPI**) ("**LPI**" or the "**Company**") is pleased to provide the results from the latest optimisations introduced to the Maricunga lithium production process in January 2022 in the project's updated Definitive Feasibility Study.

Lithium Carbonate with a **99.92%**[1] purity was produced from original, concentrated brine from LPI's test evaporations ponds at Maricunga. This significantly exceeds the industry standard specifications for battery grade lithium carbonate of 99.5%.

A relevant test to measure the Loss of Ignition **("LOI")** was also conducted for 30 minutes at 500 °C, showing an LOI of 0.2%. As a result, the purity after LOI was 99.72%.

As announced in the March 2022 Quarterly Report released to ASX on 29 April 2022, concentrated brine had been sent to LPI's technological partner GEA Messo to further test production processes.

[1] Purity after Loss of Ignition – LOI for 30 minutes at 500 °C – of 99.72%.

This work was executed by the independent certified laboratory, IBZ-Salzchemie GmbH & Co KG in Germany. This was done under the supervision of GEA, with the objective of producing up to 10kg of battery grade Li2CO3.

The chemical analysis and detailed composition of impurities was as follows:

Chemical Analysis: Compound	Method	Unit	Sample
Li2CO3	**%**	**99.92**	
Li2CO3 with LOI	**%**	**99.72**	
Al	DIN EN ISO 11885 E22 2009-09	mg/kg	< 1
B	DIN EN ISO 11885 E22 2009-09	mg/kg	< 1
Ca	DIN EN ISO 11885 E22 2009-09	mg/kg	57
Cr	DIN EN ISO 11885 E22 2009-09	mg/kg	< 1
Cu	DIN EN ISO 11885 E22 2009-09	mg/kg	< 1
Fe	DIN EN ISO 11885 E22 2009-09	mg/kg	4
K	DIN EN ISO 11885 E22 2009-09	mg/kg	< 10
Mg	DIN EN ISO 11885 E22 2009-09	mg/kg	9.3
Na	DIN EN ISO 11885 E22 2009-09	mg/kg	500
Ni	DIN EN ISO 11885 E22 2009-09	mg/kg	< 1
Pb	DIN EN ISO 11885 E22 2009-09	mg/kg	0.83
Sr	DIN EN ISO 11885 E22 2009-09	mg/kg	2
Zn	DIN EN ISO 11885 E22 2009-09	mg/kg	1
Cl	DIN 38405 Part 1	mg/kg	125
Br	DIN EN ISO 10304-1 2009-07	mg/kg	< LoQ
SO4	DIN EN ISO 10304-1 2009-07	mg/kg	100
Si	DIN EN ISO 11885 E22 2009-09	mg/kg	12.6
Li	DIN EN ISO 11885 E22 2009-09	mg/kg	187'739
C	EN ISO 15350 2010-08	mg/kg	160'000
LOI	30 minutes at 500 °C	%	0.2

Source: IBZ-Salzchemie GmbH & Co. KG

Samples will now be sent to potential off-takers for due diligence as part of the ongoing Maricunga finance process.

Appendix 1 (below) is the formal Analysis Certificate and a visual description of the sample Lithium Carbonate provided by IBZ-Salzchemie GmbH & Co. KG. This report has been verified internally by LPI's Chilean team.

Lithium Power International's Chief Executive Officer, Cristobal Garcia-Huidobro, commented:

"We are very pleased with these positive results from our latest testing activities. Not only do they confirm the high quality and consistency of our product, but also the sustainability of our process. We are confident that those results will be welcomed by potential off-takers participating in the financing process of the Maricunga project."

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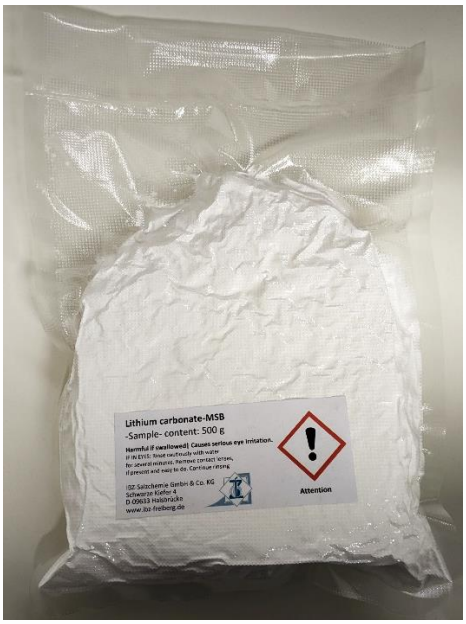
Mr. Tarek Halasa
Av. El Golf 40, Piso 20
Las Condes
Chile

Analysis Certificate

Sample: Washed and dried Li_2CO_3, obtained during process simulation with original brine at IBZ-Salzchemie

Visual description of the sample: white crystals



Analysis results are given in the following pages.

Appendix: Chemical analysis, microscopic picture and particle size distribution

Best regards,

IBZ-Salzchemie GmbH & Co. KG

Dr. Sven Ziegenbalg
Authorized Officer

Chemical Analysis:

Compound	Method	Unit	Sample
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LOI	30 minutes at 500 °C	%	0.2

Product Picture:

Particle Size Distribution

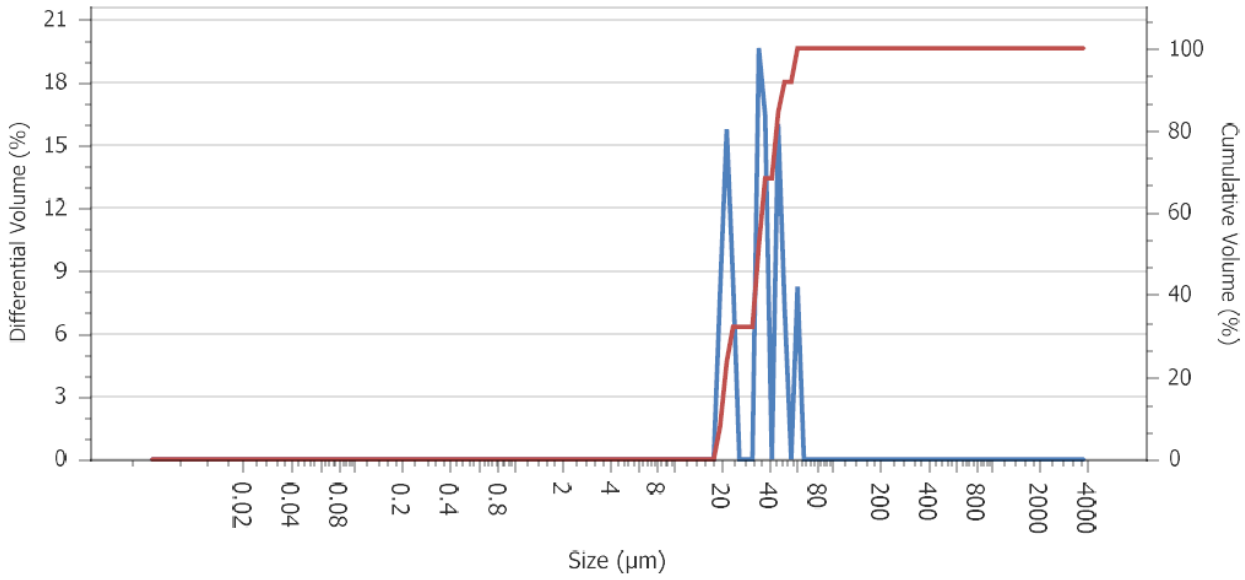
Measurement Results

Sample Information

Date/Time: 11/4/2022 2:41:34 PM
Device: B9810018L05
Method: LiCO3
Material: Lithium carbonate
SampleID: Gea Chile

User: Korngröße
Module: Universal Liquid Module
Properties: LiCO3
Carrier Fluid: IBZ Ethanol
GroupId: LiCOs-MSB-3

Graph of Results



Statistics

Run	1	Avg	CV (%)
D10 (µm)	20.97	20.97	0.0000
D50 (µm)	35.93	35.93	0.0000
D90 (µm)	51.52	51.52	0.0000
Mean (µm)	36.10	36.10	0.0000
StDev (µm)	12.11	12.11	0.0000
Total (%)	100.0	100.0	0.0000
Volume(%) at size = 100 (µm)	0.0000	0.0000	0.0000
Volume(%) at size = 1000 (µm)	0.0000	0.0000	0.0000
Volume(%) at size = 200 (µm)	0.0000	0.0000	0.0000
Volume(%) at size = 400 (µm)	0.0000	0.0000	0.0000
Volume(%) at size = 600 (µm)	0.0000	0.0000	0.0000
Volume(%) at size = 800 (µm)	0.0000	0.0000	0.0000

Type : Arithmetic