

Lithium Ionic Files NI 43-101 Technical Report for the Baixa Grande Mineral Resource Estimate, Minas Gerais, Brazil, Marking a 32% Growth in Updated Mineral Resources

TORONTO, ON, February 27, 2025 - Lithium Ionic Corp. (TSXV: LTH; OTCQX: LTHCF; FSE: H3N) (the “Company” or “Lithium Ionic”) reports that it has filed the independent NI 43-101 compliant technical report for its Baixa Grande Lithium Project (“Baixa Grande” or the “Project”) in Minas Gerais State, Brazil, related to the updated Mineral Resource Estimate (“MRE”) for the Project announced on January 14, 2025.

The technical report, titled *“Independent Technical Report on the Mineral Resource Estimate for the Baixa Grande Salinas Lithium Project, Minas Gerais, Brazil”* was prepared by GE21 Consultoria Mineral Ltda. (“GE21”) in accordance with National Instrument 43-101 Standards of Disclosure for Mineral Projects (“NI 43-101”) and has an effective date of December 2, 2024.

The report details the MRE comprising Measured and Indicated resources of 6.52 million tonnes (“Mt”) grading 1.11% Li₂O (179,580 tonnes of Lithium Carbonate Equivalent - “LCE”) and an additional 12.90Mt in the Inferred category grading 0.96% Li₂O (305,920t LCE), accounting for approximately 30% of the Company’s total global mineral resources of 64.7Mt.* in Brazil’s Lithium Valley.

The technical report is available on SEDAR+ (www.sedarplus.ca) under Lithium Ionic’s issuer profile and on the Company’s website at www.lithiumionic.com.

* See NI 43-101 compliant technical report related to the Bandeira Bandeira MRE titled “NI 43-101 Technical Report – Mineral Resource Update on Bandeira Project, Araçuaí and Itinga, Minas Gerais State, Brazil” (effective date of March 5, 2024; QP: Leonardo Soares of GE21); See NI 43-101 compliant technical report related to the Salinas MRE titled “Independent Technical Report on the Mineral Resource Estimate for the Baixa Grande Salinas Lithium Project, Minas Gerais, Brazil” (effective date of December 2, 2024; QP: Leonardo Soares, P.Geo., M.Sc., of GE21); and the NI 43-101 compliant technical reports related to the Outro Lado deposit titled “Mineral Resource Estimate for Lithium Ionic, Itinga Project” (effective date of June 24, 2023; authored by Maxime Dupéré, B. Sc., P.Geo. and Faisal Sayeed, B. Sc., P.Geo).

Baixa Grande Project, Salinas Group of Properties

The Baixa Grande target, located within the Salinas group of properties acquired in March 2023, is one of the most promising projects in the Company’s portfolio tested to date. These Salinas properties are located approximately 100 kilometres north of the Company’s Bandeira development project, within the northern section of Brazil’s Eastern Pegmatite Province, a region that is highly prospective for spodumene-bearing pegmatites. The Baixa Grande mineral resource is an important addition to the Company’s total resources, which further solidifies its position as a leading lithium company in the region.

In August 2024, Pilbara Minerals announced the acquisition of Latin Resources and their Colina deposit for AU\$559.9 million (US\$369.4 million), located directly west of the Baixa Grande deposit. This acquisition marked Pilbara’s first diversification into the Americas, underscoring the quality, quantity and global competitiveness of Brazil’s lithium deposits in this region.

The Baixa Grande MRE is located on a 662-hectare property, a small portion of Lithium Ionic's large 17,000-hectare land package.

About Lithium Ionic Corp.

Lithium Ionic is a Canadian mining company exploring and developing its lithium properties in Brazil. Its Itinga and Salinas group of properties cover ~17,000 hectares in the northeastern part of Minas Gerais state, a mining-friendly jurisdiction that is quickly emerging as a world-class hard-rock lithium district. Its Feasibility-stage Bandeira Project is situated in the same region as CBL's Cachoeira lithium mine, which has produced lithium for +30 years, as well as Sigma Lithium Corp.'s Grota do Cirilo project, which hosts the largest hard-rock lithium deposit in the Americas.

Qualified Persons

Leonardo Soares, P.Geo., M.Sc., of GE21 is a Qualified Person as defined by NI 43-101 and has reviewed and approved the technical information and data regarding the MRE included in this news release. Mr. Soares is independent of Lithium Ionic. All other scientific and technical information in this news release has been reviewed and approved by Carlos Costa, Vice President Exploration of Lithium Ionic and Blake Hylands, CEO and director of Lithium Ionic, and both are "qualified persons" as defined in NI 43-101.

On behalf of the Board of Directors of Lithium Ionic Corp.

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Cautionary Note Regarding Forward-Looking Statements

This press release contains statements that constitute "forward-statements." Such forward looking statements involve known and unknown risks, uncertainties and other factors that may cause the Company's actual results, performance or achievements, or developments to differ materially from the anticipated results, performance or achievements expressed or implied by such forward-looking statements. Although the Company believes, in light of the experience of its officers and directors, current conditions and expected future developments and other factors that have been considered appropriate that the expectations reflected in this forward-looking information are reasonable, undue reliance should not be placed on them because the Company can give no assurance that they will prove to be correct. When used in this press release, the words "estimate", "project", "belief", "anticipate", "intend", "expect", "plan", "predict", "may" or "should" and the negative of these words or such variations thereon or comparable terminology are intended to identify forward-looking statements and information. The forward-looking statements and information in this press release include information relating to the mineralization and prospectivity of the Company's mineral properties including the Project, the Company's ability to obtain the requisite licences and permits, the Company's ability to obtain adequate financing, the exploration and development of the Company's mineral properties, the Company's exploration program and other mining projects and prospects thereof and the Company's future

plans. Such statements and information reflect the current view of the Company. Risks and uncertainties that may cause actual results to differ materially from those contemplated in those forward-looking statements and information. By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. The forward-looking information contained in this news release represents the expectations of the Company as of the date of this news release and, accordingly, is subject to change after such date. Readers should not place undue importance on forward-looking information and should not rely upon this information as of any other date. The Company undertakes no obligation to update these forward-looking statements in the event that management's beliefs, estimates or opinions, or other factors, should change.

Information and links in this press release relating to other mineral resource companies are from their sources believed to be reliable, but that have not been independently verified by the Company.

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