

# Cassels

October 16, 2025

British Columbia Securities Commission  
Alberta Securities Commission  
Saskatchewan Financial and Consumer Affairs Authority  
The Manitoba Securities Commission  
Ontario Securities Commission  
Autorité des marchés financiers  
Financial and Consumer Services Commission, New Brunswick  
Nova Scotia Securities Commission  
Office of the Superintendent of Securities, Government of Newfoundland and Labrador  
Office of the Superintendent of Securities, Prince Edward Island  
Office of the Superintendent of Securities Northwest Territories  
Office of the Yukon Superintendent of Securities  
Nunavut Securities Office

Dear Sirs / Mesdames:

**Re: Standard Lithium Ltd.**

We refer to the prospectus supplement of Standard Lithium Ltd. (the “**Corporation**”) dated October 16, 2025 (the “**Supplement**”) to the short form base shelf prospectus dated July 30, 2025 qualifying the distribution of common shares of the Corporation.

We, as counsel to the Corporation, hereby consent to the use of and reference to our firm opinion under the heading “*Eligibility for Investment*” and to the reference to our firm in the Supplement on pages iii and iv and under the headings “*Legal Matters*” and “*Enforceability of Civil Liabilities*”.

We confirm that we have read the Supplement and that we have no reason to believe that there are any misrepresentations in the information contained therein that is derived from our opinion referred to above or that is within our knowledge as a result of the services we performed in connection with such opinion.

Yours truly,

“CASSELS BROCK & BLACKWELL LLP”