



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549

December 7, 2023

John Markovich
Chief Financial Officer
D-Wave Quantum Inc.
3033 Beta Avenue
Burnaby, British Columbia V5G 4M9
Canada

Re: D-Wave Quantum Inc.
Form 10-Q for the Quarterly Period Ended September 30, 2023
Filed November 9, 2023
File No. 001-41468

Dear John Markovich:

We have limited our review of your filing to the financial statements and related disclosures and have the following comment.

Please respond to this letter within ten business days by providing the requested information or advise us as soon as possible when you will respond. If you do not believe a comment applies to your facts and circumstances, please tell us why in your response.

After reviewing your response to this letter, we may have additional comments.

Form 10-Q for the quarterly period ended September 30, 2023

Financial Statements

Condensed Consolidated Balance Sheets, page 5

1. We note on page 13 that PSPIB Unitas Investments II Inc. is a related party to the Company's largest shareholder. Identify on the face of your balance sheet, income statement, and statement of cash flows the amounts of all related party transactions and balances pursuant to Rule 4-08(k) of Regulation S-X.

In closing, we remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

John Markovich
D-Wave Quantum Inc.
December 7, 2023
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Please contact Anastasia Kaluziensi at 202-551-3685 or Robert Littlepage at 202-551-3361 with any questions.

Sincerely,

Division of Corporation Finance
Office of Technology