June 20, 2023

Christopher Dewey Chief Executive Officer MedTech Acquisition Corp 48 Maple Avenue Greenwich, CT 06830

Re: MedTech Acquisition

Corp

Amendment No. 4 to

Registration Statement on Form S-4

Filed June 8, 2023 File No. 333-269138

Dear Christopher Dewey:

We have reviewed your amended registration statement and have the following

 $\overline{\text{comments}}.$  In some of our comments, we may ask you to provide us with information so we

may better understand your disclosure.

 $\,\,$  Please respond to this letter by amending your registration statement and providing the

requested information. If you do not believe our comments apply to your facts and

circumstances or do not believe an amendment is appropriate, please tell us why in your  $\,$ 

response.

 $\hbox{ After reviewing any amendment to your registration statement and the information you } \\$ 

provide in response to these comments, we may have additional comments. Unless we note

otherwise, our references to prior comments are to comments in our May 31, 2023 letter.

Amendment No. 4 to the Registration Statement on Form S-4

Ownership of the Combined Company After the Closing, page 33

1. We note your disclosure on pages 30-31 that your Sponsor and certain of its affiliates will be participating in the PIPE, including pursuant to the Backstop Letter Agreement. Please revise your discussion here and your table on page 34 to disclose the Sponsor and its affiliates' total potential ownership interest in the combined company, assuming exercise and conversion of all securities, including the Series A Convertible Preferred Stock they may receive pursuant to

the PIPE and Backstop Letter Agreement.

Christopher Dewey

FirstName LastNameChristopher Dewey

MedTech Acquisition Corp

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June NameMedTech Acquisition Corp

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June 20,

Page 2 2023 Page 2

FirstName LastName

Description of MTAC's Securities

Series A Convertible Preferred Stock

Anti-dilution Provisions, page 327

2. Please state whether the Sponsor and its affiliates may receive additional securities

pursuant to an anti-dilution adjustment based on the company's additional financing  $% \left( 1\right) =\left( 1\right) \left( 1$ 

activities with respect to the PIPE. If so, please quantify the number and value of

securities the sponsor and its affiliates will receive. In addition, disclose the ownership

percentages in the company before and after the additional financing to highlight dilution to public stockholders.

Exhibits

3. To the extent you have a placement agent or other agreement with  $\operatorname{Ceros}$  Financial

Services, Inc. please file it as an exhibit.

You may contact Christie Wong at 202-551-3684 or Brian Cascio at 202-551-3676 if you

have questions regarding comments on the financial statements and related matters. Please  $\,$ 

contact Jessica Ansart at 202-551-4511 or Margaret Schwartz at 202-551-7153 with any other

questions.

Sincerely,

Division of

Office of

Services

Corporation Finance

Industrial Applications and

cc: Kevin Shuler