

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

October 16, 2024

CAMP4 Therapeutics Corporation One Kendall Square Building 1400 West, 3rd Floor Cambridge, MA 02139

Re: CAMP4 Therapeutics Corporation

Amendment No. 2 to Registration Statement on Form S-1

Exhibit Nos. 10.1, 10.2, and 10.3

Filed October 7, 2024 File No. 333-282241

Dear Josh Mandel-Brehm:

We have concluded our assessment of your redacted exhibits for compliance with applicable form requirements and will process your supplemental response and related materials in accordance with your request.

Sincerely,

Division of Corporation Finance Office of Life Sciences