

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

June 16, 2020

Panna Sharma Chief Executive Officer Lantern Pharma Inc. 1920 McKinney Avenue, 7th Floor Dallas, Texas 75201

Re: Lantern Pharma Inc.

Registration Statement on Form S-1

Exhibit Nos. 10.9, 10.10, 10.11, 10.12, 10.13 and 10.14

Filed April 16, 2020 File No. 333-237714

Dear Mr. Sharma:

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