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William Slattery, CFA  
Vice President  
Listing Qualifications

Received SEC

SEP 28 2017

Washington, DC 20549

801-38219

Electronic Mail Only

September 28th, 2017

Mr. Jeffrey Thomas  
Chief, IT Services  
Division of Corporation Finance  
U.S. Securities and Exchange Commission  
100 F Street, N.E.  
Washington, D.C. 20549

CERTINAS

Dear Mr. Thomas:

This is to certify that on September 28<sup>th</sup>, 2017 The Nasdaq Stock Market (the "Exchange") received from Deciphera Pharmaceuticals, Inc. (the "Registrant") a copy of the Registrant's application on Form 8-A 12(b) for the registration of the following securities:

Common Stock, par value \$0.01 per share

We further certify that the securities described above have been approved by the Exchange for listing and registration upon official notice of issuance.

We understand that the Registrant is seeking effectiveness of the Form 8-A 12(b) concurrently with effectiveness of its 1933 Act Registration Statement, and we hereby join in such request.

Sincerely,

William Slattery