

**Mobix Labs, Inc.**  
**15420 Laguna Canyon Rd., Suite 100**  
**Irvine, California 92618**

June 28, 2024

**VIA EDGAR**

United States Securities and Exchange Commission  
Division of Corporation Finance  
100 F Street, N.E.  
Washington, D.C. 20549-3561

Attention: Thomas Jones  
Erin Purnell

**Re: Mobix Labs, Inc.**  
**Amendment No. 1 to the Registration Statement on Form S-1**  
**Filed June 6, 2024**  
**File No. 333-278710**

Dear Mr. Jones and Ms. Purnell:

Mobix Labs, Inc. (the "Company") hereby requests acceleration of the effective date of the above-referenced registration statement so that it may become effective at 4:30 p.m., Eastern Time, on July 2, 2024, or as soon as practicable thereafter.

Should you have any questions or comments regarding this matter, please contact the Company's legal counsel, Laurie L. Green, at (954) 768-8232.

*[Signature page follows]*

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Very truly yours,

Mobix Labs, Inc.

By: /s/ Keyvan Samini

Name: Keyvan Samini

Title: President and Chief Financial Officer

cc: Laurie L. Green, Esq.  
Greenberg Traurig, P.A.

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