

C E R T I F I E D



**March 20, 2019**

Azul Systems certifies that the Zulu JDK contained in the binary distribution  
“zulu12.1.3-ca-jdk12-macosx\_x64.dmg”  
with MD5 Checksum “8fdb311f2f793f5836901ff16a8e661” and assembled  
on March 19, 2019 has passed all required Java SE 12 TCK compatibility tests,  
and is a compliant and compatible implementation of the Java SE 12 standard.

**Azul Systems, Inc.**  
QA and Certification Group

