



17 August 2026

To whom it may concern,

iBeta Quality Assurance conducted performance testing in accordance with ISO/IEC 19795-2 and ISO/IEC 19795-10. iBeta is accredited by NIST/NVLAP (NVLAP Testing Lab Code: 200962) to test and provide results to this performance standard ([certificate and scope](#) may be downloaded from the NVLAP website).

This testing was conducted with the biometric facial recognition system Automated Biometric Identification Service (ABIS) v0_2, which was provided by Oracle along with their associated matching algorithm OCI Biometric Batch Runner. The system was tested using the native browsers installed on an HP laptop running Windows 11 Home 25H2 and an Apple MacBook Neo running macOS Tahoe 26.5.2, the latter of which was used for both data collection and compiling results. iBeta conducted performance testing on this system from 14 July to 17 August 2026.

The test method was to enroll at least 300 subjects, who performed 5 post-enrollment authentications each. The images generated by this process were then put through a technology test of performing an $n \times n \times z$ set of matches, with the results analyzed via bootstrapping or Rule of 3 as applicable. The evaluation did not cover any form of PAD testing or other procedures in which testing personnel intentionally attempted to gain unauthorized entry to the biometric system.

The False Accept Rate (FAR) with a 95% confidence interval was calculated to be 0.007% on both Windows and macOS from bootstrapping. The False Reject Rate, also with a 95% confidence interval, was calculated at 1.55% FRR on Windows and 0.81% on macOS, also from bootstrapping. The False Match Rate was observed at 0.0045% on both Windows and macOS, and the False Non-Match Rate at 1.054% on Windows and 0.475% on macOS. The system accessed through the macOS system also underwent successful demographic bias testing to the ISO 19795-10 standard. The Failure to Acquire and Failure to Enroll Rates were also calculated and may be found in the final report

Oracle's biometric facial recognition system, composed of the Automated Biometric Identification Service (ABIS) v0_2 application and matching algorithm OCI Biometric Batch Runner, was accessed by iBeta through the native browsers installed on an HP laptop and Apple MacBook Neo, tested by iBeta to the ISO 19795-2 standard, and was found to meet all of the normative requirements for performance testing. The system accessed through the macOS system also underwent successful demographic bias testing to the ISO 19795-10 standard.

Best regards,

A handwritten signature in black ink, appearing to read "Ryan Borgstrom".

Ryan Borgstrom
Director of Biometrics
rborgstrom@ibeta.com

A handwritten signature in black ink, appearing to read "David Yambay".

David Yambay, PhD
Deputy Director of Biometrics
dyambay@ibeta.com