Fime test session confirmation letter

Biometric subcomponent test session according to

ISO Standards under NIST/NVLAP criteria

Test session carried out from June 7th, 2024 to June 12th, 2024 for

VinBigData JSC

Fime hereby confirms that the **Vibio 1.0** product developed by **VinBigData JSC** has completed biometric **Performance** testing carried out in accordance with **ISO/IEC 19795-1** and **ISO/IEC 19795-2.**

This test session was performed from **June 7th, 2024** to **June 12th, 2024** at **FIME France lab** on algorithm and dataset received on June 7th 2024.

Tested product is a biometric voice algorithm designed for use in a mobile application with the built-in standard microphone for authentication purposes.

The sample tested by Fime was tested in accordance with the methodological requirements established in agreement between Fime and VinBigData JSC and described hereafter. Detailed results are provided in official test report: n° **C24REP00-755_VinBigData_ ViBio _v1.0**.

Tested sample identification

- Name: **ViBio 1.0**
- Biometric modality: **Voice**
- Biometric sensor technology: **Internal microphone**
- Software name and version: **ViBio 1.0**

The tests were carried out in accordance with following standard method guidance and documents:

- **ISO/IEC 19795-1:2021**
- **ISO/IEC 19795-2:2007**

Testing was conducted using a voice dataset of 245 subjects collected in Vietnam by VinBigData JSC (meeting ISO/NIST requirements). Test subject voice samples were recorded in Vietnamese language using internal microphone of smartphone. Test method has involved the computation of 245 genuine comparisons and 59780 impostor comparisons using Vibio 1.0 algorithm under a cloud-based access. Test results under these conditions show that ViBio 1.0 **FMR** (False Matching Rate) measured is **0.00175%** while **FNMR** (False Non-Matching Rate) measured is **0.433%**.

Fime laboratory is accredited by NIST's National Voluntary Laboratory Accreditation Program (NVLAP) for biometric testing (NVLAP Lab Code 600365-0)* and FIDO Alliance Biometric Component Certification, to perform evaluations for biometric products, systems and subcomponents. Fime implements standardized and trusted quality control testing procedures and methodologies, to perform products test sessions.

October 8th, 2025

Guillaume YVON
Biometric Activity Manager

* This letter must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, any certification body or any agency of the U.S. Government. Fime certificate and scope may be downloaded from the NVLAP website