



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 **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 results of the test session demonstrate that sample tested meet the requirements established with the guidance of documents described hereafter. The detailed results are provided in official test report: **C24REP00-755_VinBigData_VIBio_v1.0**.

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 (National Institute of Standards and Technology)/NVLAP (NVLAP Code:600365-0)* and FIDO Alliance Biometric Component Certification, to perform evaluations for biometric authentication products, systems and subcomponents. Fime implements standardized and trusted quality control testing procedures and methodologies, to perform products test sessions.

Tested sample identification

- Name and version: **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**

June 19th, 2024


FIME
P.A. Technologique de la folie Couvrechef
8 rue Commodore J.H Hallet
14000 CAEN - FRANCE
Tél +33(0)2 31 44 08 07

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