

Professional Notice of Appeal

Evidence of Summary

Case Ref. Jan-06-2026



Professional Evidence Summary – Attachment 3

Subject: Scientific Distinction Between Bio-Chemical Urinalysis and Psychological Polygraphy in Doping Control

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1. Biological Certainty (Urinalysis)

- **Mechanism:** Direct biochemical detection of exogenous substances (PEDs) or their metabolites within the biological system.
- **Clinical Value:** Provides empirical, non-subjective proof of an athlete's physiological status at the time of testing.
- **Impact of Failure:** Once the "Direct Observation" protocol is breached and a Personal Urination Device (PUD) is introduced, the sample's biological origin is unverified, rendering the clinical audit void.

2. Psychological Stress Measurement (Polygraph)

- **Mechanism:** Measures physiological tremors, heart rate, and skin conductivity as proxies for psychological stress related to deception.
- **Clinical Value:** Assesses the athlete's *belief* in their own truthfulness; it does not audit the blood or urine for chemical compounds.
- **Scientific Limitation:** A polygraph cannot detect substances present in the body; it only detects the stress of answering questions about them. It is a behavioral tool, not a biological one.

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3. The "Substitutability" Fallacy

- **Procedural Disconnect:** In a "Tested" professional event, a polygraph is a secondary layer of defense, not a replacement for a failed primary biological audit.
- **Integrity Conclusion:** Allowing a behavioral test (polygraph) to override a failed and invalidated biological test (urinalysis) leaves the athlete's "Natural" status medically unproven by IFBB standards.