VERIFIED SALIENT CHARACTERISTICS /TECHNICAL REQUIREMENTS

The Contractor must provide the In Body model 770S (Product Number: IN BODY 770S), which possesses the following essential, salient characteristics. These technical requirements are what make this device unique and are the basis for the sole source requirement.

1. Measurement Methodology: Must utilize Direct Segmental Multi-Frequency Bioelectrical Impedance Analysis (DSM-BIA) via an 8-point tactile electrode system (thumbs, palms, heels, and soles of feet).

2. Frequencies: Must conduct 30 unique impedance measurements using 6 distinct frequencies (1, 5, 50, 250, 500, and 1000 kHz} across 5 body segments.

3. Empirical Independence: Results must be calculated purely from direct impedance measurements. The system must not use empirical estimations or statistical data {age, gender, body type} to formulate or alter body composition results.

4. Dual-Domain Outputs: Must generate two distinct and separate result sheets: a Body Composition Analysis {Skeletal Muscle Mass, Percent Body Fat, Visceral Fat Level} and an advanced Body Water Analysis {Intracellular Water, Extracellular Water, and the ECW/TBW ratio for edema and inflammation analysis}.

5. Data Capacity & Operation: Internal database must store a minimum of 100,000 historical tests. The system must be capable of operating in a standalone mode without a mandatory internet connection.