



## Certificate of Analysis

**Product** Artificial Eccrine Perspiration with custom pH - Not Stabilized  
**Part Number** 1700-0023  
**Volume** 200 mL  
**Lot Number** 2201060  
**Production Date** 03 February 2022  
**Expiration Date** 03 February 2023  
**Storage Conditions** Frozen at -20°C

### Acceptance Criteria

1. Appearance: ..... PASS
2. pH =  $6.5 \pm 0.1$  @  $25 \pm 0.4^\circ\text{C}$  : ..... PASS
3. Appropriate peaks verified by HPLC with post-column derivitization: ..... PASS

### Amino Acids

|                 |                 |              |                 |             |
|-----------------|-----------------|--------------|-----------------|-------------|
| L-Alanine       | L-Citrulline    | L-Isoleucine | L-Ornithine     | L-Threonine |
| L-Arginine      | L-Glutamic acid | L-Leucine    | L-Phenylalanine | L-Tyrosine  |
| L-Asparagine    | L-Glycine       | L-Lysine     | L-Serine        | L-Valine    |
| L-Aspartic acid | L-Histidine     | L-Methionine | L-Taurine       |             |

4. Other components gravimetrically-certified: ..... PASS

### Metabolites

|         |             |      |           |
|---------|-------------|------|-----------|
| Ammonia | Lactic Acid | Urea | Uric Acid |
|---------|-------------|------|-----------|

### Minerals

|          |        |           |           |         |
|----------|--------|-----------|-----------|---------|
| Calcium  | Copper | Magnesium | Potassium | Sulfate |
| Chloride | Iron   | Nitrate   | Sodium    | Zinc    |

\*All product components are weighed on NIST-traceable scales and measured in Class A volumetric glassware

**Analysis Certified By:** Maria Ofitserova, Ph.D.

**Date:** 11 February 2022

The product is manufactured, packaged, stored and shipped according to manufacturing standard best practices and under modern sanitary conditions.



CERTIFIED