

# Certificate of Analysis



**Product:** 3F Powder™ Mini Prep  
**Product description:** Freeze dried cake  
**Batch number:** MPFFF-0226-A  
**Test report code:** BRV234018  
**Storage:** 15 – 25 °C, protected from light and humidity  
**Manufacturing date:** February 2026  
**Expiry date:** August 2027

| Test   | Method | Target |       | Result | Unit   |
|--|--------|--------|-------|--------|--------|
|  |        | Min    | Max   |        |        |
| Diluted according to FaSSGF Mini Prep Instructions |        |        |       |        |        |
| Sodium taurocholate                                | NMR    | 0.070  | 0.090 | 0.078  | mmol/L |
| Phospholipids                                      | NMR    | 0.015  | 0.025 | 0.020  | mmol/L |
| Diluted according to FaSSIF Mini Prep Instructions |        |        |       |        |        |
| Sodium taurocholate                                | NMR    | 2.80   | 3.20  | 2.90   | mmol/L |
| Phospholipids                                      | NMR    | 0.60   | 0.90  | 0.75   | mmol/L |
| Diluted according to FeSSIF Mini Prep Instructions |        |        |       |        |        |
| Sodium taurocholate                                | NMR    | 14.0   | 16.0  | 14.5   | mmol/L |
| Phospholipids                                      | NMR    | 3.00   | 4.50  | 3.77   | mmol/L |

**Evaluation:** Complies with specification  
**Release date:** 25 February 2026

**Quality Control Manager**

(Vasco Santos)

**Quality Assurance Manager**

(Dr. Mathew Leigh)

# Certificate of Analysis



**Product:** FeSSIF Buffer Concentrate  
**Product description:** Clear colorless liquid  
**Batch number:** FESBUF-0925-A  
**Test report code:** 46086  
**Storage:** Stored at room temperature  
**Manufacturing date:** September 2025  
**Expiry date:** March 2027

Diluted according to Online Prep Tool

| Test        | Method            | Target                 |      | Result      | Unit        |
|-------------|-------------------|------------------------|------|-------------|-------------|
|             |                   | Min                    | Max  |             |             |
| Appearance  | Visual inspection | Clear colorless liquid |      | Passes test | -           |
| Sodium      | ICP-MS            | 290                    | 350  | 320         | mmol/L      |
| Chloride    | HPLC              | 180                    | 230  | 209         | mmol/L      |
| Acetic acid | HPLC              | 120                    | 160  | 144         | mmol/L      |
| Osmolarity  | Calculated        | 600                    | 720  | 673         | mOsm/L      |
| pH (@ 25°C) | USP <791>         | 4.95                   | 5.05 | 5.00        | pH (@ 25°C) |

**Evaluation:** Complies with specifications

**Release date:** 2 October 2025

**Quality Control Manager**

(Vasco Santos)

**Quality Assurance Manager**

(Dr. Mathew Leigh)