

Certificate of Analysis

Product name: FeSSIF buffer concentrate
Product description: Clear colorless liquid
Batch number: FESBUF-0219-A
Test report code: 5096/163937
Long-term storage: Stored at room temperature
Manufacturing date: February 2019
Expiry date unopened: February 2020
Expiry date once opened: Use within 3 months

At 14.3% dilution in purified water

Test	Test method	Target	Result	Unit
Appearance	Visual inspection	Clear colorless liquid	Passes test	-
Sodium ions (Na ⁺)	ICP-MS	290 – 350	304	mmol/L
Chloride ions (Cl ⁻)	Titration	180 – 230	221	mmol/L
Acetate	HPLC	120 – 160	151	mmol/L
Osmolarity	Calculated	600 – 720	677	mOsm/L
pH (@ 25°C)	pH meter	4.95 – 5.05	5.01	-

Evaluation: Complies with specifications

Release date: 01 April 2019

Quality Control Manager


 (Vasco Santos)

Quality Assurance Manager


 (Dr. Mathew Leigh)