

Certificate of Analysis



Product name: FeSSIF buffer concentrate
Product description: Clear colorless liquid
Batch number: FESBUF-0120-A
Test report code: 36626
Long-term storage: Stored at room temperature
Manufacturing date: January 2020
Expiry date: January 2021
Expiry date once opened: Use within 3 months

At 14.3x dilution in purified water.

Test	Method	Target		Result	Unit
		Min	Max		
Appearance	Visual inspection	Clear colorless liquid		Passes test	-
Sodium ions (Na ⁺)	ICP-MS	290	350	306	mmol/L
Chloride ions (Cl ⁻)	Titration	180	230	197	mmol/L
Acetate ions	HPLC	120	160	143	mmol/L
Osmolarity	Calculated	600	720	647	mOsm/L
pH (@ 25°C)	USP <791>	4.95	5.05	5.02	pH (@ 25°C)

Evaluation: Complies with specifications

Release date: 31 January 2020

(Vasco Santos)

(Dr. Mathew Leigh)