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Forensic alcohol analysis Proficiency testing schemes

2020-21

NMISA-PT-61

Determination of sodium fluoride in aqueous medium

Issue date: 21 July 2020

1 FORWARD

Proficiency testing is one way of ensuring that laboratories and their customers have sustained confidence in their competence. This also holds for stakeholders such as regulators, laboratory accreditation bodies and other organisations.

This scheme is operated by the National Metrology Institute of South Africa (NMISA) in accordance with ISO/IEC 17043 Conformity assessment – general requirements for proficiency testing.

The primary aim of the scheme is to enable laboratories which routinely determine high concentrations of sodium fluoride in fluids to monitor and improve the quality of their measurements. The scheme also enables laboratories to demonstrate to the appropriate authorities the quality of their measurements.

2 THE SCHEME

The scheme will consist of one round per annum. Two different concentration levels, between 0,8 g/ 100 ml and 3,0 g/ 100 ml will be prepared and distributed in 100ml bottles.

It is very important that no special treatment be given to these samples and that the usual laboratory procedures must be used to analyse them.

Participants will be expected to submit an uncertainty budget.

3 PARTICIPATION FEES AND ADDITIONAL CHARGES

The cost of participation in the PTS is 4 000.00 ZAR (0% VAT). This fee includes two bottles of two different sodium fluoride concentrations. The materials are certified by an accredited titrimetric method. Up to four different participants per laboratory may submit results. The fee also includes one full electronic report.

For delivery within the Republic of South Africa (RSA) the fee includes delivery.

International laboratories will have test samples sent by courier and appropriately packaged to maintain sample integrity. International participants must provide NMISA with any import or quarantine permits that might be required to complete sample delivery well in advance of the shipment date and are liable for any customs or import duties charged.

Upon registration for participation an official quotation will be provided.

4 PROPOSED SCHEME DATES

Sample distribution date	Deadline for result submission	Report date
21 October 2020	30 November 2020	18 December 2020

Please note! The planned sample distribution dates and subsequent submission and report dates may vary and is subject to receipt of purchase orders from the majority of participants.

5 OTHER IMPORTANT INFORMATION

Following the result deadline, the data will be processed according to ISO 13528:2015 (Statistical methods for use in proficiency testing by interlaboratory comparisons). A report will be issued to each participating laboratory. Reports will be provided in electronically format only as Adobe Acrobat (pdf) files.

The scheme is fully confidential. Each participating laboratory will be issued with a unique laboratory identification number, which will change for every round. Each laboratory is required to identify its analysts by a code known only to the laboratory. The participating laboratory will be required to put in place its own documentation pertaining to its numbering system and handling of the proficiency testing scheme.



Dominique Marajh
Metrologist



Dr Maria Fernandes-Whaley
Section Head: Organic Analysis

NMISA-PT-61 AQUEOUS SODIUM FLUORIDE

REGISTRATION FORM

PLEASE COMPLETE AND RETURN BY FAX (+27 86 530 5162) OR E-MAIL TO
Dmarajh@nmisa.org

DEADLINE FOR REGISTRATION IS 14 October 2020

Send Test Materials to:	Send PTS Report(s) to:	
Contact name:	Contact name:	
Department:		
Company:	E-mail:	
Address:	Select registration options: (mark with an ✓)	
Town/City:		
Postal code:	PTS for sodium fluoride	<input type="checkbox"/> R 4 000.00
FAX:	Delivery within RSA (Free)	<input type="checkbox"/>
E-mail:	Delivery outside RSA	<input type="checkbox"/> <i>Price determined by location</i>
	Self-collection	<input type="checkbox"/>

I,

_____ hereby confirm that a NMISA Customer Registration Information Form has been completed and submitted to NMISA for official quotation and invoicing. It is understood that registration for the proficiency testing scheme will only be confirmed upon receipt of a purchase order.

Signature

Date