

DESCRIPTION OF PROFICIENCY TESTING SCHEME

**1. General**

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 (2010): 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 3 685.00 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.

NMISA-PT-ORG32 AQUEOUS SODIUM FLUORIDE

For delivery within the Republic of South Africa (RSA) the fee includes delivery. For participants outside the RSA the actual delivery costs, including customs and import duties, will be carried by the participants.

The fee also includes one full electronic report.

**4. Proposed scheme dates:**

Sample distribution date	Deadline for result submission	Report date
19 September 2018	31 October 2018	28 November 2018

**5. Other important information**

Following the result deadline, the data will be processed according to ISO 13528:2005 (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



# REGISTRATION FORM

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

**DEADLINE FOR REGISTRATION IS 30 August 2018**

<b>Send Test Materials to:</b>		<b>Send PTS Report(s) to:</b>	
<b>Contact name:</b>		<b>Contact name:</b>	
<b>Department:</b>			
<b>Company:</b>		<b>E-mail:</b>	
<b>Address:</b>		<b>Select registration options: (mark with an ✓)</b>	
<b>Town/City:</b>			
<b>Postal code:</b>			
<b>FAX:</b>			
<b>E-mail:</b>			
<b>PTS for sodium fluoride</b> Delivery within RSA (Free) Delivery outside RSA Self-collection	R 3 685.00		
			<i>Price determined by location</i>

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 \_\_\_\_\_