

NMISA-PT-ORG17  
DETERMINATION OF SODIUM FLUORIDE IN AQUEOUS MEDIUM

14 JANUARY 2015

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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.

The 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.

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**

The cost of participation in the PTS is 2 750.00 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-ORG17 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
17 February 2015	13 March 2015	28 April 2015

#### 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 and 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.



Marcellé Archer  
Metrologist



Dr Maria Fernandes-Whaley  
Section Head: Organic Analysis

# REGISTRATION FORM

PLEASE COMPLETE AND RETURN BY FAX (+27 86 509 1652) OR E-MAIL TO  
**MARCHER@NMISA.ORG**

**DEADLINE FOR REGISTRATION IS 3 FEBRUARY 2015**

Send Test Materials to:	Send PTS Report(s) to:								
<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 X)</b>								
<b>Town/City:</b>									
<b>Postal code:</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"><b>PTS for sodium fluoride</b></td> <td style="width: 40%; text-align: center;"><b>R 2 750.00</b></td> </tr> <tr> <td><b>Delivery within RSA (free)</b></td> <td></td> </tr> <tr> <td><b>Delivery outside RSA</b></td> <td style="text-align: center;"><i>Price determined by location</i></td> </tr> <tr> <td><b>Self-collection</b></td> <td></td> </tr> </table>	<b>PTS for sodium fluoride</b>	<b>R 2 750.00</b>	<b>Delivery within RSA (free)</b>		<b>Delivery outside RSA</b>	<i>Price determined by location</i>	<b>Self-collection</b>	
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<b>FAX:</b>									
<b>E-mail:</b>									

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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.

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**Signature**

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**Date**