

ISBN 978-0-626-34244-9

**SANS 6094:2017**

Edition 2.1

# **SOUTH AFRICAN NATIONAL STANDARD**

## **Stock remedies — Efficacy of chemicals against tick larvae**

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Published by SABS Standards Division  
1 Dr Lategan Road Groenkloof ☒ Private Bag X191 Pretoria 0001  
Tel: +27 12 428 7911 Fax: +27 12 344 1568  
[www.sabs.co.za](http://www.sabs.co.za)  
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**Table of changes**

<b>Change No.</b>	<b>Date</b>	<b>Scope</b>
Amdt 1	2017	Amended to update the note to filter paper.

**Foreword**

This South African standard was approved by National Committee SABS/TC 1028, *Pesticides*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

This document was approved for publication in February 2017.

This document supersedes SANS 6094:2009 (edition 2).

A vertical line in the margin shows where the text has been technically modified by amendment No. 1.

A reference is made in 2.19 to a reference chemical that is registered as a stock remedy under "the current relevant national legislation". In South Africa this means the Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act, 1947 (Act No. 36 of 1947).

Annex A is for information only.

**Compliance with this document cannot confer immunity from legal obligations.**

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## **Stock remedies — Efficacy of chemicals against tick larvae**

### **1 Scope**

This standard specifies a method for the determination of the efficacy of a chemical compound (at various concentrations) against tick larvae and to compare, under laboratory conditions, the efficacy to that of a known effective concentration of a reference formulation.

### **2 Equipment and materials**

**2.1 Magnetic stirrer.**

**2.2 Two incubators**, maintained at a temperature of  $27\text{ }^{\circ}\text{C} \pm 1\text{ }^{\circ}\text{C}$  and at a relative humidity of  $85\% \pm 5\%$ .

**2.3 Paper crimper.**

**2.4 Stainless steel tray**, of dimensions approximately 330 mm × 450 mm × 60 mm.

**2.5 Stopwatch.**

**2.6 Aluminium foil dishes.**

**2.6.1 Large aluminium foil dishes**, of bottom diameter approximately 160 mm and of depth approximately 18 mm.

NOTE Alcan style 203 foil dishes have been found suitable.

**2.6.2 Small aluminium foil dishes**, of bottom diameter approximately 70 mm and of depth approximately 65 mm.

NOTE Alcan style 508 foil dishes have been found suitable.

**2.7 Camel-hair brushes.**

**2.8 Erlenmeyer flask**, of capacity 100 mL and provided with a foam plastics stopper and, around the neck of the flask, a collar fashioned from a length of masking tape folded lengthwise with one half of the adhesive side facing outwards to serve as a trap for escaping tick larvae.

**2.9 Stainless steel spatula**, with a collar of masking tape fashioned as in 2.8.