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SOUTH AFRICAN NATIONAL STANDARD

Stock remedies — Efficacy of chemicals against tick larvae

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Table of changes

Change No.	Date	Scope
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.