

## Contents:

- 1 Aluminium container with 100 test sticks
- 2 Bottles Potassium-1
- 2 Test tubes

## Hazard warning:

This test does not contain any amounts of harmful substances which must be specially labelled as hazardous.

## Method of application:

1. Place test tube into the cavity of the thermoformed lining and fill with 10 drops Potassium-1 (nitric acid 0.7%).
2. Remove only as many test sticks as are required, and reseal the container immediately after use. Do not touch the test paper zone.
3. Dip the test stick briefly into the neutral test solution and shake of excess liquid. Place test stick into the filled test tube.
4. After 1 minute remove test stick and compare the test paper zone with the colour scale. In the presence of potassium the test paper turns yellow to orange-red.

A orange-red colouration of the unused test paper is normal and does **not** indicate decomposition of the reagents.

## Interferences:

Sodium-ions > 3000 mg/l cause low results. The following quantities of ions do not interfere:

- < 1000 mg/l  $Al^{3+}$ ,  $Ba^{2+}$ ,  $Bi^{3+}$ ,  $Ca^{2+}$ ,  $Fe^{2+/3+}$ ,  $Mg^{2+}$ ,  $Mn^{2+}$ ,  $Sr^{2+}$ ,  $Zn^{2+}$
- < 200 mg/l  $NH_4^+$ ,  $Hg^{+/2+}$ ,  $Tl^+$
- < 25 mg/l  $S^{2-}$

## Storage:

Avoid exposing the sticks to sunlight and moisture. Store the kit below +30 °C in a dry place.