

Pack content:

1 aluminum container with 100 test strips
1 bottle Al^{3+} -1
1 bottle Al^{3+} -2

1 measuring vessel with 5 mL mark
1 test tube

Safety precautions:

Reagent Al^{3+} -1 contains potassium hydroxide solution 14–55% CAS 1310-58-3. Reagent Al^{3+} -2 contains acetic acid 10–25% CAS 64-19-7. DANGER Causes severe skin burns and eye damage. Do not breathe vapors. Wear protective gloves/eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. For further information, please ask for safety data sheet (see www.mn-net.com/MSDS).

General indications:

Remove only as many test strips as are required. Close the container immediately after removing a strip. Do not touch the test field.

Additional indications:

The red coloration of the unused test field is normal and does not indicate any decomposition of the reagents.

Instructions for use:

1. Rinse the measuring vessel with the test solution and fill it to the 5 mL mark.
2. Add 6 drops Al^{3+} -1 (potassium hydroxide solution) to the sample.
3. Shake carefully (pH 13.5–14).
4. Dip the test strip into the test solution for 1 second.
5. Shake off excess liquid.
6. Place the test tube into the cavity of the thermoformed mould.
7. Fill with 6 drops Al^{3+} -2.
8. Place test strip into the filled test tube.
9. Wait 60–120 seconds.
10. Shake off excess liquid.
11. Compare with the color scale.

If aluminum ions are present, the test field turns red (pink = 0 mg/L).

Interferences:

Beryllium(II) interferes with the determination. Copper(II) ions in concentrations above 10 mg/L interfere (precipitation with potassium iodide or cadmium powder).

The following anions lead to a fading of the color reaction with corresponding low test results:

> 100 mg/L MnO_4^- , PO_4^{3-} , S^{2-} , SO_3^{2-}

> 500 mg/L $B_4O_7^{2-}$, F^- , $Fe(CN)_6^{3-}$, $S_2O_4^{2-}$, $S_2O_5^{2-}$, SiO_4^{4-} , citrate and tartrate.

Disposal:

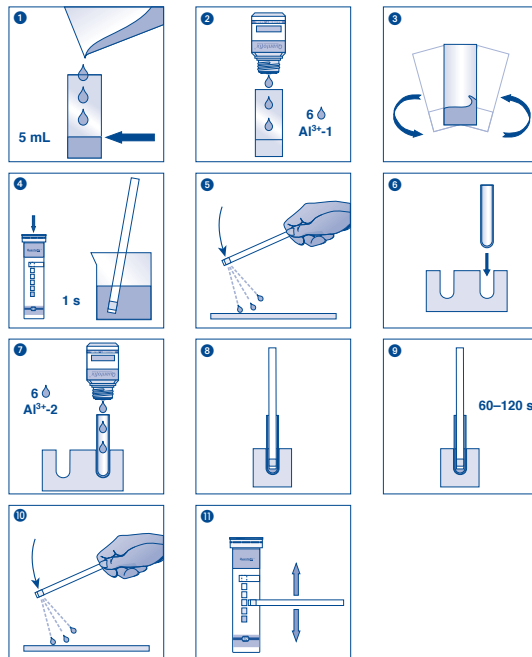
The used analysis specimens can be flushed down the drain with tap water and channeled off to the local sewage treatment works. Used test strips can be disposed in household waste.

Storage:

Avoid exposing the strips to sunlight and moisture. Keep container cool and dry (storage temperature not above +30 °C).

If correctly stored, the test strips may be used until the use-by-date printed on the packaging.

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany
Tel.: +49 24 21 969-0 · Fax: +49 24 21 969-199 · info@mn-net.com · www.mn-net.com



	Haltbarkeitsdatum / Use by / A utiliser jusqu'à / Fecha de vencimiento / Houdbaarheidsdatum / Data di scadenza / Data ważności		Chargenbezeichnung / Lot number / Numéro de lot / Número de lote / Lotnummer / No del lotto / Oznaczenie szarzy
	Artikelnummer / Catalog number / Référence / Art. nro. / Referentiennummer / Codice articolo / Numer artykułu		Packungsinhalt / Package content / Contenu de la boîte / Contenido del envase / Verpakkinginhoud / Contenuto della confezione / Zawartość opakowania
	Packung geschlossen halten / Keep container closed / Refermer la boîte / Mantenga el envase cerrado / Verpakking gesloten houden / Conservare la confezione chiusa / Przechowywać pojemnik szczelnie zamknięty		Vor Feuchtigkeit schützen / Protect from humidity / Protéger de l'humidité / Protección de la humedad / Beschermen tegen vocht / Proteggere dall'umidità / Chronić przed wilgocią
	Lagertemperatur / Storage temperature / Température de stockage / Temperatura de almacenaje / Bewaartemperatuur / Temperatura di magazzino / Temperatura przechowywania		Packungsbeilage lesen / Please read instructions / Lire les instructions, svp / Obsérvense las instrucciones de uso / Lees de bijsluiter / Leggere il foglio informativo / Należy przeczytać ulotkę informacyjną
	Sicherheitshinweise in der Packungsbeilage beachten / Observe the safety precautions in instructions / Respecter les précautions de sécurité des instructions / Obsérvense las indicaciones de seguridad / Neem de veiligheidsrichtlijnen in de bijsluiter in acht / Seguire le avvertenze di sicurezza / Należy przestrzegać uwag zawartych w ulotce informacyjnej		