SD01291C/07/EN/07.24-00
71647584
2024-02-29

71647584

Special Documentation
CY80AM

Mixing the reagents
For Liquiline System CA80AM

Safety instructions

NOTICE

Chemicals can irritate the skin and eyes and cause serious injury!

- Wear protective goggles, protective gloves and a lab coat when working with chemicals.
- Avoid any skin contact with chemicals.
- Comply with instructions in the safety data sheets for the chemicals.

Information regarding the shelf life

- Mix reagents directly before use.
- If several reagent sets are ordered: store individual components of the reagent unmixed.
- CY80AM-AA+SL reagent set: only use one bottle of component 1 and one bottle of component 2 to mix the reagent RK. Only open and mix the second bottles after this first mixture has been used.
- Under unfavorable ambient conditions, the shelf life of the reagents can expire even before the reagents are consumed.

Scope of delivery

- Labels for marking the ready-to-use reagents
- Order version CY80AM-AA+SB:
  - 1 × component 1 reagent RB (1000 ml (33.8 fl oz) bottle)
  - 1 × component 1 reagent RK (1000 ml (33.8 fl oz) bottle)
  - 1 × component 2 reagent RK (100 ml (3.38 fl oz) bottle)
- Order version CY80AM-AA+SL:
  - 1 × component 1 reagent RB (1000 ml (33.8 fl oz) bottle)
  - 2 × component 1 reagent RK (500 ml (16.9 fl oz) bottle)
  - 2 × component 2 reagent RK (100 ml (3.38 fl oz) bottle)
- Order version CY80AM-AA+SC:
  - 1 × component 1 reagent RB (1000 ml (33.8 fl oz) bottle)
  - 1 × reagent RK (1000-ml (33.8 fl oz) bottle)
- 1 printed version of Special Documentation

Materials

Prepare the following materials and tools:

- 1 measuring cylinder, 1000 ml (33.8 fl oz) (not provided with the reagent)
- Approx. 1000 ml (33.8 fl oz) of deionized water (not provided with the reagent)

Reagent set CY80AM-AA+SB oder CY80AM-AA+SL

Mixing

Reagent RB

Starting product: Component 1, reagent RB

1. Open the black safety bottle.
2. Add 850 ml (28.74 fl oz) of deionized water.

Endress+Hauser
People for Process Automation

3. Seal the bottle again with the lid.
4. Shake the bottle well until the powder has completely dissolved. Allow the reagent to stand for roughly 5 minutes.
5. Repeat step 4 twice. Then continue with 6.
6. Mark the expiration date on the label for the ready-to-use reagent.
7. Attach the label for the ready-to-use reagent to the black safety bottle.
8. Store reagent RB in a cool place away from light.

Normal coloring: brown, becomes dark brown to black with advanced decomposition

Reagent RK

Starting products: Reagent RK, component 1 and component 2

1. Open the black safety bottle.
2. Add component 2 to component 1 in the black safety bottle.
3. Seal the bottle again with the lid.
4. Shake the bottle well until the powder has completely dissolved. Allow the reagent to stand for roughly 5 minutes.
5. Repeat step 4 twice. Then continue with 6.
6. Mark the expiration date on the label for the ready-to-use reagent.
7. Attach the label for the ready-to-use reagent to the black safety bottle.
8. When using an analyzer with a cooling system, place the reagent in the cooled compartment of the bottle tray.
9. Store reagent in a cool place away from light.

The reagent is colorless and has a chlorine odor. The reagent loses the chlorine odor with advanced decomposition.

Shelf life

Ready-to-prepare reagent	12 months
Ready-to-use reagent	3 months, chilled (RK) 6 months (RB)

Reagent set CY80AM-AA+SC

Mixing the reagent RB

→ 1

Using the reagent RK

1. Use ready-to-use reagent.
2. Store reagent in a cool place away from light.

The reagent is colorless.

Shelf life

Ready-to-prepare reagent	12 months (RB)
Ready-to-use reagent	9 months, refrigerated (RK)

1. Storage temperature RB and RK:
   Store only at temperatures < 30 °C (86 °F). Optimum shelf can be achieved with refrigerated storage at 4 to 8 °C (39 to 46 °F).
2. Application temperature RK:
   At ambient temperatures > 30 °C (86 °F), use device with cooling module.