

[manuals.plus](#) /› [MACHEREY-NAGEL](#) /› **MACHEREY-NAGEL 702113 Screw Cap, N13, Polypropylene, Bonded, White, Closed Top, Silicone White/PTFE Blue, Hardness 55° Shore A, Thickness 1.3 mm (Pack of 100) - Instruction Manual****MACHEREY-NAGEL 702113**

MACHEREY-NAGEL N13 Screw Cap Instruction Manual

MODEL: 702113

1. Product Overview

The MACHEREY-NAGEL 702113 Screw Cap is a high-quality N13 polypropylene cap designed for secure sealing in various laboratory applications. This cap features a bonded silicone white/PTFE blue septum, offering excellent chemical resistance and sealing properties. It is suitable for both open and closed top applications and comes in a pack of 100 pieces.

Key features include:

- Available with a broad variety of septa materials, specifically high purity silicone/PTFE septa for demanding analyses.
- Designed for routine analyses, ensuring reliable performance.
- Packaged conveniently in a resalable zip-lock bag for easy storage and access.



This image displays two views of the MACHEREY-NAGEL N13 Screw Cap. On the left, an open cap reveals the blue PTFE/Silicone septum lining the inside. On the right, the cap is shown in its closed, top-down view, highlighting its ribbed exterior for grip.

2. Setup and Preparation

The MACHEREY-NAGEL N13 Screw Caps are ready for immediate use upon removal from their packaging. No assembly is required. Ensure that the vials or containers you intend to use with these caps are compatible with N13 thread sizes.

- Inspect each cap for any visible damage or defects before use.
- Ensure the septum is properly seated within the cap.
- For critical applications, it is recommended to handle caps with clean gloves to prevent contamination.

3. Operating Instructions

To achieve an optimal seal, follow these steps:

1. Place the cap squarely onto the threaded neck of the compatible vial or container.
2. Turn the cap clockwise to engage the threads.

3. Tighten the cap firmly by hand until a secure seal is achieved. Avoid overtightening, which can damage the cap or vial threads.
4. For applications requiring piercing, ensure the needle or probe is sharp and appropriately sized for the septum material to minimize coring.

4. Maintenance and Storage

Proper maintenance and storage will ensure the longevity and performance of your screw caps.

- **Cleaning:** These caps are generally single-use for most laboratory applications. If reuse is considered for non-critical applications, ensure thorough cleaning with appropriate laboratory detergents and rinse with deionized water. Verify chemical compatibility before cleaning.
- **Storage:** Store unused caps in their original resalable zip-lock bag in a cool, dry place, away from direct sunlight and extreme temperatures. This helps prevent degradation of the polypropylene and septum materials.
- **Disposal:** Dispose of used caps according to local laboratory waste disposal regulations.

5. Troubleshooting

If you encounter issues with sealing or performance, consider the following:

- **Leaking Cap:**
 - Ensure the cap is tightened sufficiently.
 - Check for damage to the cap threads or the vial neck.
 - Verify that the septum is correctly seated within the cap and is not damaged.
 - Confirm compatibility between the cap and the vial (N13 thread size).
- **Difficulty in Sealing:**
 - Ensure no debris is present on the cap or vial threads.
 - Check for cross-threading; unscrew and re-thread carefully.
- **Septum Damage (after piercing):**
 - Use a sharp, appropriate gauge needle for piercing.
 - Minimize the number of punctures if possible.

6. Specifications

Attribute	Value
Model Number	702113
Brand	MACHEREY-NAGEL
Cap Type	Screw Cap, N13
Material	Polypropylene
Septum Material	Silicone White/PTFE Blue (Bonded)
Septum Hardness	55° Shore A

Septum Thickness	1.3 mm
Color	White (Cap)
Quantity	Pack of 100
ASIN	B07RCK7YH4
Package Dimensions	12 x 12 x 12 inches
Package Weight	12 Pounds

7. Warranty and Support

For specific warranty information or technical support regarding your MACHEREY-NAGEL 702113 Screw Caps, please contact MACHEREY-NAGEL directly or refer to their official website. Certificates of conformity (CoA) for your ISO documentation may be available upon request for all closures and plain caps.

Manufacturer: MACHEREY-NAGEL

Date First Available: May 2, 2019

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Related Documents - 702113



Visocolor HE Carbonate Hardness C 20: Test Kit Instructions

Detailed instructions for using the MACHEREY-NAGEL Visocolor HE Carbonate Hardness C 20 test kit to determine p and m values and carbonate hardness in water samples.

[visocolor HE Phosphate Test Kit - High Sensitivity Water Analysis](#)

Detailed guide for the visocolor HE Phosphate test kit, covering its method, procedure, specifications, and handling for determining phosphate levels in water from 0.05 to 1.0 mg/L P.

MÄRCHEN-FAZIEN		MN
Safety Data Sheet		
according to Regulation 1907/2006 (REACH) and 10/2011		
Version 01/2013, valid from 01/2013 to 01/2014		
SECTION 1: Identification of the substance and of the company/undertaking		
1.1 Product identifier		
Product name: MÄRCHEN-FAZIEN		
Other identifiers: MÄRCHEN-FAZIEN		
1.2 Relevant identified uses of the substance and assigned hazard statement(s)		
1.3 Details of the supplier of the safety data sheet		
1.4 Emergency telephone number		
SECTION 2: Hazard classification		
2.1 Hazard classification		
2.2 Label elements		
2.3 Hazard statement(s)		
2.4 Other information		
SECTION 3: Composition/information on ingredients		
3.1 Information on mixture		
3.2 Information on pure substance		
SECTION 4: First-aid measures		
4.1 Description of first-aid measures		
4.2 Most important symptoms and effects		
4.3 Indication of any immediate medical attention and special treatment needed		
SECTION 5: Fire-fighting measures		
5.1 General fire-fighting measures		
5.2 Special hazards arising from the substance or mixture		
5.3 Advice for fire-fighters		
SECTION 6: Accidental release measures		
6.1 Personal precautions		
6.2 Environmental precautions		
6.3 Methods and material for containment and cleaning up		
SECTION 7: Handling and storage		
7.1 Precautions for safe handling		
7.2 Storage conditions		
7.3 Specific end use(s)		
SECTION 8: Exposure controls/personal protection		
8.1 Control parameters		
8.2 Exposure controls		
SECTION 9: Physical and chemical properties		
9.1 General information		
9.2 Physical and chemical properties		
SECTION 10: Stability and reactivity		
10.1 Reactivity		
10.2 Chemical stability		
10.3 Possibility of hazardous reactions		
10.4 Conditions to avoid		
10.5 Incompatibility		
10.6 Hazardous decomposition products		
SECTION 11: Toxicological information		
11.1 Information on toxicological effects		
SECTION 12: Ecological information		
12.1 Toxicity		
12.2 Persistence and degradability		
12.3 Bioaccumulation data		
12.4 Other adverse effects		
SECTION 13: Disposal considerations		
13.1 Disposal methods		
13.2 Information on special waste disposal		
13.3 General information		
SECTION 14: Transport information		
14.1 UN number		
14.2 UN proper shipping name		
14.3 Transport hazard class(es)		
14.4 Packing group		
14.5 Environmental hazards		
14.6 Special precautions for user		
14.7 Transport in bulk according to IBC		
SECTION 15: Regulatory information		
15.1 Safety, health and environmental regulations/legislation		
15.2 Chemical safety assessment		
SECTION 16: Other information		
16.1 Date of preparation		
16.2 Review date		
16.3 Limitations on use		
16.4 Other information		

MACHEERY-NAGEL Chromab. QuEChERS Mix XIV (0.35 g) Safety Data Sheet

Safety Data Sheet for MACHEREY-NAGEL Chromab. QuEChERS Mix XIV (0.35 g) product, providing information on identification, hazards, composition, first aid, firefighting, accidental release measures, handling and storage, exposure controls, physical and chemical properties, stability and reactivity, toxicological information, ecological information, disposal considerations, transport information, and regulatory information.

visicolor® ECO
Nitrate

Test kit for performing colorimetric tests on nitrate ions in surface water and sewage

Information:
Nitrate ions are reduced to nitrite ions in an acidic medium. Combined with a suitable arsenite anions, these form an orange-yellow azo dye.
Measurement range:
1–10 mg/L NO₃
Contents of test kit (per test):
1 test tube with 10 mL NO₃-⁻
1 measuring spoon (dryer)
1 glass beaker
1 measuring spoon (measuring glass)
1 dropper
1 control chart
1 color chart
1 instruction for use

Health and safety:
Information regarding safety can be found on the 'box' label and in the data sheet. Safety data sheets can be found at www.euro-net.com/SDS.
How to use:
Always refer to the color chart in the following order:
1. Pour the sample into the measuring glass and add the reagent from the plastic dropper.
2. Mix the sample and reagent in position A on the color chart.
Only add the reagent to measure gels B.
3. Add 1 mL of the sample to the test tube.
4. Add 1 mL of the reagent to the test tube.
5. Open the glass cap & mix again and position B on the color chart.
6. Place the colorimetric cell in the colour bath in the inspection hole on the color chart.
Data: the comparison value in the colour bath in the inspection hole on the color chart.
7. Read the colorimetric value on the color chart.
8. After use, rinse out both measuring glass, dropper and test tube.
The reagent can be used for the photometric evaluation with photometer and colorimeter. The colorimetric method is more accurate.
This technique can be used for analyzing raw water (see 'Box' for information).
Technique of the sample:
Information on the technique of the sample can be found in the safety sheet. You can download the SDS from www.euro-net.com/SDS
Interference:
Interference from other cations, oxidizing substances, may reduce the colorimetric value. Reducing substances, such as sulfide, iodide, or thiosulfate, does not interfere.
The following substances can be measured by this technique: organic and inorganic sulfide and nitrite (EPD 91-918-978).
The following substances are measured at 10, 18 and 20 °C. At these temperatures the reaction takes place in a significantly shorter time, and the results are more accurate.

Conversion table:

mg/L NO ₃	mg/L NO ₂	removal ^a	mg/L NO ₂ water to be filtered
<1	0.2	>18	<1
5	1.1	81	5
10	2.3	162	10
>20	>4.5	>320	>25
50	11	810	45
100	21	1620	95
200	42	3200	190
300	63	4800	285

Storage:
Store the test kit in a cool (<20 °C) and dry place.

[Visocolor® ECO Nitrate Test Kit: Water Analysis Guide](#)

MACHEREY-NAGEL Visocolor® ECO Nitrate test kit for colorimetric analysis of nitrate ions in surface water and sewage. Includes method, measurement range, contents, instructions, and conversion table.

	<p><u>Säkerhetsdatablad för Buffer ELU-EF (900 mL) - MACHEREY-NAGEL</u></p> <p>Säkerhetsdatablad för Buffer ELU-EF (900 mL) från MACHEREY-NAGEL, innehållande information om klassificering, hantering, lagring och transport. Produkt för analytiska ändamål.</p>
	<p><u>MACHEREY-NAGEL Alkylation Kit (REF 701951) - Safety Data Sheet</u></p> <p>Safety Data Sheet for the MACHEREY-NAGEL Alkylation Kit (REF 701951), providing comprehensive information on identification, hazards, composition, first aid, handling, storage, and disposal.</p>

Documents - MACHEREY-NAGEL – 702113



[\[pdf\] Borchure](#)

Flaschen und Verschlüsse Chromatographie Produktbereich Vials and Caps Typ Umfang 40 Katalog

Verwendung Layoutdatei Englisch Sprache EN Download Brochure caps EnglishScrew closure N 13

MACHEREY NAGEL NAGELv1mn net media fe 9f 36 |||

Chromatography MACHEREY-NAGEL Vials and caps For reliable analysis

www.m.mn-nn-ente.ct.ocmom.M...702972.100/P E bag Ready assembled

screw closures N13, plain screw caps N13, single septa N12 REF **702113** Scale 1:1.6

Cap description N13 PP bonded* screw cap, white, closed top Septum descripti...

lang:en score:23 filesize: 26.43 M page_count: 68 document date: 2024-03-13



[\[pdf\] Borchure](#)

Flaschen und Verschlüsse Chromatographie Produktbereich Vials and Caps Typ Umfang 40 Katalog

Verwendung Layoutdatei Englisch Sprache EN Brochure caps DE mn net media 50 48 e5 |||

Chromatographie MACHEREY-NAGEL Flaschen und Verschlisse Fr eine sichere

Analyse www.m.mn-nn-ente....E Beutel Fertig montierte Schraubverschlisse

N13, leere Schraubkappen N13, einzelne Septen N12 REF **702113** Darstellung 1:1,6

Kappenbeschreibung N13 PP gebondete* Schraubkappe, wei, geschlossen Se...

lang:de score:15 filesize: 24.85 M page_count: 72 document date: 2022-06-09