

# RECOMMENDED CONSUMABLES

## for Ammonia Analysis using SM 4500-NH3 B-H

The purpose of this document is to act as a quick reference for the products called out in the Apparatus and Reagents sections **Standard Methods 4500-NH3**. The focus of this list is on the consumable items. There are many lab instruments that can be used for these methods such as ovens, balances, and desiccators that were not included in this document but can be found on [our website](#).

If you have any questions about the products in this document, you can reach out to your account manager and they will connect you with our environmental testing experts!

### Sample Collection

| Paragraph | Description               | Cat No. |
|-----------|---------------------------|---------|
| 8.1       | Sample Collection Bottles | Various |

### Solvents & Reagents

| Paragraph | Description                                                                        | Cat No. |
|-----------|------------------------------------------------------------------------------------|---------|
| B.3.a     | Ammonia-free water                                                                 | Various |
| B.3.b     | Sodium hydroxide concentrate 0.1 M NaOH in water (0.1N), Eluent concentrate for IC | 43617   |
| B.3.b     | 0.025 M sodium tetraborate solution                                                | Various |
| B.3.c     | Sodium hydroxide solution                                                          | Various |
| B.3.d     | Sodium thiosulfate pentahydrate                                                    | Various |
| B.3.e.2   | Sulfuric Acid                                                                      | Various |
| B.3.f     | Boric Acid                                                                         | Various |
| C.3.a     | Methyl red (C.I. 13020), indicator ACS, Reag. Ph Eur                               | 106076  |
| C.3.a     | Ethyl Alcohol                                                                      | Various |
| C.3.a     | Isopropyl Alcohol                                                                  | Various |
| C.3.a     | Methylene blue (C.I. 52015), Reag. Ph Eur                                          | 159270  |
| C.3.c     | Sodium Carbonate                                                                   | Various |
| D.3.c     | EDTA                                                                               | Various |
| D.3.d     | Ammonium chloride, anhydrous, free-flowing, Redi-Dri™, ACS reagent, ≥99.5%         | 901230  |
| F.3.a     | Liquified Phenol, ≥89.0%                                                           | P9346   |
| F.3.b     | Sodium nitroprusside dihydrate, puriss. p.a., ACS reagent, reagent Ph. Eur., ≥99%  | 71778   |
| F.3.c     | Trisodium Citrate                                                                  | Various |
| F.3.c     | Sodium Hydroxide (solids)                                                          | Various |
| F.3.d     | Sodium hypochlorite                                                                | Various |
| G.3.e     | Potassium sodium tartrate tetrahydrate                                             | Various |
| H.3.a     | Disodium ethylenediamine tetraacetate                                              | Various |

Sample Preparation

| Paragraph | Description            | Cat No. |
|-----------|------------------------|---------|
| B.2.a     | Distillation apparatus | Various |

Standards & Reference Materials

| Paragraph | Description                           | Cat No. |
|-----------|---------------------------------------|---------|
|           | Ammonia, certified reference material | QC1593  |

Analysis

| Paragraph | Description         | Cat No. |
|-----------|---------------------|---------|
| B.2.b     | pH Meter            | Various |
| B.4.d     | Titration Glassware | Various |

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