

# RECOMMENDED CONSUMABLES

## for BOD Analysis using SM 5210 B-D

The purpose of this document is to act as a quick reference for the products called out in the Apparatus and Reagents sections of **Standard Methods 5210**. The focus of this list is on the consumable items.

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.2.a	Alconox® detergent, 0.5 oz packs	Z273228
B.2.a	Alconox® detergent, bulk packed	242985
B.3.a	Monopotassium phosphate	Various
B.3.a	Dipotassium phosphate	Various
B.3.a	Disodium phosphate	Various
B.3.a	Ammonium chloride	Various
B.3.a	Sodium hydroxide solution 30%, Suprapur®	1.05589
B.3.a	Milli-Q® IQ 7000 Ultrapure Water Purification System, output: type 1 water (18.2 MΩ·cm), the most advanced Milli-Q® ultrapure (Type 1) water system that is intelligent, intuitive, and green.	ZIQ7000TOC
B.3.b	Magnesium sulfate	Various
B.3.c	Calcium chloride	Various
B.3.d	Ferric chloride	Various
B.3.e.1	Sulfuric Acid	Various
B.3.f	Sodium Sulfite	Various
B.3.g.1	2-chloro-6-(trichloromethyl) pyridine (TCMP)	Various
B.3.g.2	Allylthiourea (ATU)	Various
B.3.h	Glucose-glutamic acid (GGA) - Glucose	Various
B.3.h	Glucose-glutamic acid (GGA) - Glutamic acid	Various
C.2.a	Hydrochloric Acid	Various
D.3.b	Potassium hydroxide	Various
D.3.n	Manganese(II) sulfate hydrate, ≥99.99% trace metals basis	229784
D.3.n	Boric Acid	Various
D.3.n	Zinc sulfate heptahydrate	Various
D.3.n	Ammonium Molybdate	Various
D.3.n	Iron EDTA	Various
D.3.n	Select Yeast Extract, powder, BioReagent, suitable for cell culture, suitable for insect cell culture	Y1000

## Sample Preparation

Paragraph	Description	Cat No.
B.2.a	Incubation Bottles	Various
B.3.a	pH-indicator strips pH 0 - 14 Universal indicator, non-bleeding, pH range 0-14	1.09535

## Standards & Reference Materials

Paragraph	Description	Cat No.
	BOD 200 mg/L Calibration Standard, certified reference material	BOD200
	BOD 500 mg/L Calibration Standard, certified reference material	BOD500
	BOD 1000 mg/L Calibration Standard, certified reference material	BOD1000
	BOD 2000 mg/L Calibration Standard, certified reference material	BOD2000

Merck KGaA  
Frankfurter Strasse 250  
64293 Darmstadt, Germany

