Carbon Dioxide Test Kit

1.25 to 25 mg/L, 2 to 40 mg/L, 5 to 100 mg/L CO_2

For test kit 143601 (CA-23) DOC326.98.00004

Additional copies available on www.hach.com

Test preparation

- Rinse labware with deionized water between tests.
- When titrating, count each drop of titrant. Hold the dropper vertically. Swirl after each drop is added.

CAUTION: Handle chemical standards and reagents carefully. Review Material Safety Data Sheets for safe handling, storage and disposal information.

Required items

Description	Unit	Catalog no.
Measuring Tube	each	43800
Mixing Bottle	6/pkg	232706
Phenolphthalein Indicator Solution	15 mL (½ oz) SCDB[1]	189736
Sodium Hydroxide Solution, 0.01 N	100 mL MDB[2]	67132

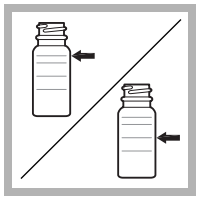
[1] Self-contained dropping bottle

[2] Marked dropping bottle

Optional items

Description	Unit	Catalog no.
Deionized Water	500 mL	27249

Low range (1.25 to 25 mg/L) and medium range (2 to 40 mg/L) test procedure



1. Low Range: Fill the bottle to the 23-mL mark with sample.

Medium Range: Fill the bottle to the 15-mL mark with sample.

2. Add one drop of Phenolphthalein Indicator Solution.

3. Add Sodium Hydroxide Solution by drops. Count the drops until the color changes to light pink and persists for 30 seconds. Swirl to mix after each drop.

4. Low Range: Calculate the result. Each drop of Sodium Hydroxide Solution used in step 3 equals 1.25 mg/L carbon dioxide (CO_2).

Medium Range: Calculate the result. Each drop of Sodium Hydroxide Solution used in step 3 equals 2 mg/L carbon dioxide (CO_2).

High range (5 to 100 mg/L) test procedure

1. Fill the plastic tube to the top with sample.

Pour the sample into the bottle.

2. Add one drop of Phenolphthalein Indicator Solution.

3. Add Sodium Hydroxide Solution by drops. Count the drops until the color changes to light pink and persists for 30 seconds. Swirl to mix after each drop.

4. Calculate the result. Each drop of Sodium Hydroxide Solution used in step 3 equals 5 mg/L carbon dioxide (CO_2).

For technical assistance or ordering information: visit www.hach.com, call 800-227-4224 or email techhelp@hach.com Edition 1, August 2006

二氧化碳测试工具包

1.25 至 25 mg/L， 2 至 40 mg/L， 5 至 100 mg/L CO_2

适用于测试工具包 143601 (CA-23) DOC326.98.00004

www.hach.com 上提供的其他副本

测试准备

- 在进行新的测试之前使用去离子水清洗实验室器具。
- 滴定时，对每一滴滴定剂都要计数。垂直握住滴管。每加一滴都要摇匀。

警告：处理化学标准溶液和试剂时要小心。有关安全处理、存储和处置的信息，请查阅材料安全数据表。

必需项目

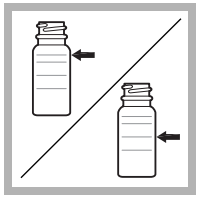
说明	单位	货号
量筒	个	43800
混合瓶	6/pkg	232706
酚酞指示剂溶液	15 mL (½ oz) SCDB[1]	189736
0.01 N 的氢氧化钠溶液	100 mL MDB[2]	67132

[1] 独立点滴瓶
[2] 有标记的点滴瓶

可选项目

说明	单位	货号
去离子水	500 mL	27249

低量程 （1.25 至 25 mg/L）和中量程 （2 至 40 mg/L）测试步骤



1. 低量程：将取样倒入瓶中至 23-mL 标记处。

中量程：
将取样倒入瓶中至 15-mL 标记处。

2. 加入一滴酚酞指示剂溶液。

3. 逐滴滴加氢氧化钠溶液。数一下颜色变为淡粉色并持续 30 秒时滴入的滴数。每加一滴都要摇匀。

4. 低量程：计算结果。在步骤 3 中使用的每一滴氢氧化钠溶液相当于 1.25 mg/L 的二氧化碳 (CO_2)。

中量程：计算结果。在步骤 3 中使用的每一滴氢氧化钠溶液相当于 2 mg/L 的二氧化碳 (CO_2)。

高量程 （5 至 100 mg/L）测试步骤

1. 将取样加入塑料试管中至顶部。

将取样倒入瓶中。

2. 加入一滴酚酞指示剂溶液。

3. 逐滴滴加氢氧化钠溶液。数一下颜色变为淡粉色并持续 30 秒时滴入的滴数。每加一滴都要摇匀。

4.计算结果。在步骤 3 中使用的每一滴氢氧化钠溶液相当于 5 mg/L 二氧化碳 (CO_2)。