GASTEC Instructions for No.131VCL Vinyl Chloride in Carbon Dioxide Detector Tube

FOR SAFE OPERATION :

Carefully read this data sheet and the CO_2 Analyzer Manual from Airborne Labs International, Inc. before using this product.

⚠WARNING :

1. Use this detector tube only with passivated CO_2 Analyzers offered by Airborne Labs International, Inc.
2. This detector tube cannot be used with any Gastec Gas Sampling Pumps (GV-100, GV-110, No.801, and No.401).

⚠CAUTION : If not observed, operator injuries or hardware damage may result.

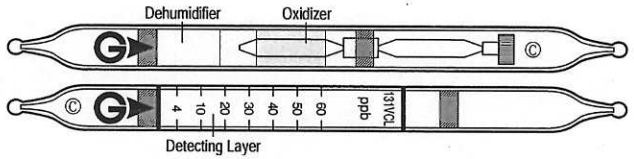
1. When breaking the tube ends, wear safety glasses and keep away from eyes.
2. Do not touch the broken glass tubes, pieces or reagent without using protective gloves.
3. Do not apply more than 138 KPag (20 psig, 1.4 barg) manifold gas pressure to this tube.

△NOTES : For optimal performance and test result reliability.

1. Use the Test Methods and CO_2 Analyzer Models offered by Airborne Labs International, Inc.
2. Use this tube within a temperature range of 20 - 30℃ (68 – 86℉).
3. Shelf life*, expiration date, lot number and required refrigerator storage conditions** for this tube are marked on the box cover.

SPECIFICATION :

(As a result of Gastec's commitment to continued improvement, specifications are subject to change without notice)



Measuring Range	4 - 60 ppb v/v @ 300 cc/min x 16 min = 4.8L CO_2
Color Change for Vinyl Chloride	Lt. Yellow → Red / Brown
Analyte Reaction Principle	Vinyl Chloride reacts with Chromium (VI) ion and Sulfuric acid in the pretreatment tube to liberate Hydrogen Chloride. The Hydrogen Chloride reacts with a base in the detector tube to create Chloride which changes the pH indicator to Red / Brown.

***Shelf Life = 2 Yrs (Refrigerated):Please refer to the Expiration Date printed on the box cover.**

****131VCL TUBES MUST BE REFRIGERATOR STORED at 10℃ (50℉) or below. DO NOT FREEZE.**

MEASUREMENT PROCEDURE :

Follow Vinyl Chloride in Carbon Dioxide method instructions provided with CO2 Analyzer Models available from Airborne Labs International, Inc.

DISPOSAL INSTRUCTIONS

The reagent of the primary tube uses a small amount of hexavalent chromium. No toxic reagents are used within the analyzer tube. For proper tube disposal, follow all local government rules and regulations. MSDS sheets are available from Gastec Corporation and Airborne Labs International, Inc.

If you have any questions regarding the safe and proper use of this tube or tube quality, please contact Gastec Corporation or Airborne Labs International, Inc***.

*** Airborne Labs International, Inc. is a manufacturer of CO_2 Quality Analyzer Systems, which incorporate Gastec detector tubes as an integral part.

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Printed in Japan
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