

GAS COMPOSITION ANALYSIS SERVICE OF CO₂

For Food & Beverage Producers and CO₂ Manufacturers

The high cost of CO₂ impurity

Product quality and safety are essential in the food & beverage industry. Products must be free of harmful contaminants that can negatively affect their taste, odor, shelf life, and safety.

CO₂ is an essential ingredient in many products. Depending on the gas feed source, contaminants and quality can vary, making it vital for food & beverage manufacturers to test for hazardous pollutants when using recovered or commercially produced CO₂ in their products.

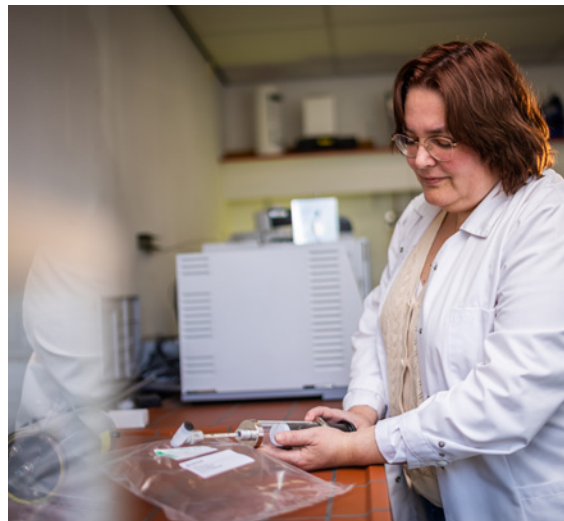
CO₂ manufacturers should also routinely test gas sources for compositional changes.

Protect your high standards

Gas analysis helps food & beverage producers ensure the quality of beverage or food-grade CO₂ as a food additive.

Gas analysis will also help CO₂ manufacturers identify potential issues with their CO₂ recovery system, reducing system downtime and improving operational efficiencies.

- ◆ **Contaminated CO₂ can damage your brand reputation.**
- ◆ **Impure CO₂ can damage your installation.**
- ◆ **If your gas is polluted, this can add to OPEX.**



PENTAIR HAFFMANS CAS

How gas analysis works

The Pentair Haffmans Composition Analysis Service (CAS) analyzes CO₂.

When Pentair Haffmans receives an order, specially protected sample bags and sampling instructions are sent to the customer. The customer fills the sample bags according to the instructions and returns the bags to us via a Pentair-arranged collection.

An objective analysis report is prepared and returned to the customer within five working days. This report specifies the measured concentrations in the customer's sample.

When contaminants are found, you can count on Pentair to highlight the issue and find a solution. With 90 years of CO₂ Capture and Recovery expertise, trust us to help you ensure your CO₂ is of beverage-grade quality.

Pentair Haffmans CAS helps with:

- ◆ Product control through the detection of unexpected compounds.
- ◆ Confirms beverage or food grade CO₂ quality.
- ◆ Assists CO₂ manufacturers in monitoring the performance of CO₂ recovery plant.
- ◆ Helps in reducing instances of plant downtime due to contaminants.
- ◆ Provides access to Pentair CO₂ recovery expertise.

Our comprehensive gas analysis tests for:

- ◆ Aromates
- ◆ Alcohols
- ◆ Sulphurous compounds
- ◆ Organic components

Gas analysis applications

- ◆ Industrial CO₂ recovery gas analysis
- ◆ CO₂ from fermentation and breweries and soft drinks

Gas samples can be taken at the gas source of the end product and all points in between.

Have your gas analyzed
Contact us: CASlab@pentair.com



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