

CHEMLYS Application note

O₂, N₂, CO₂ analysis on a single module

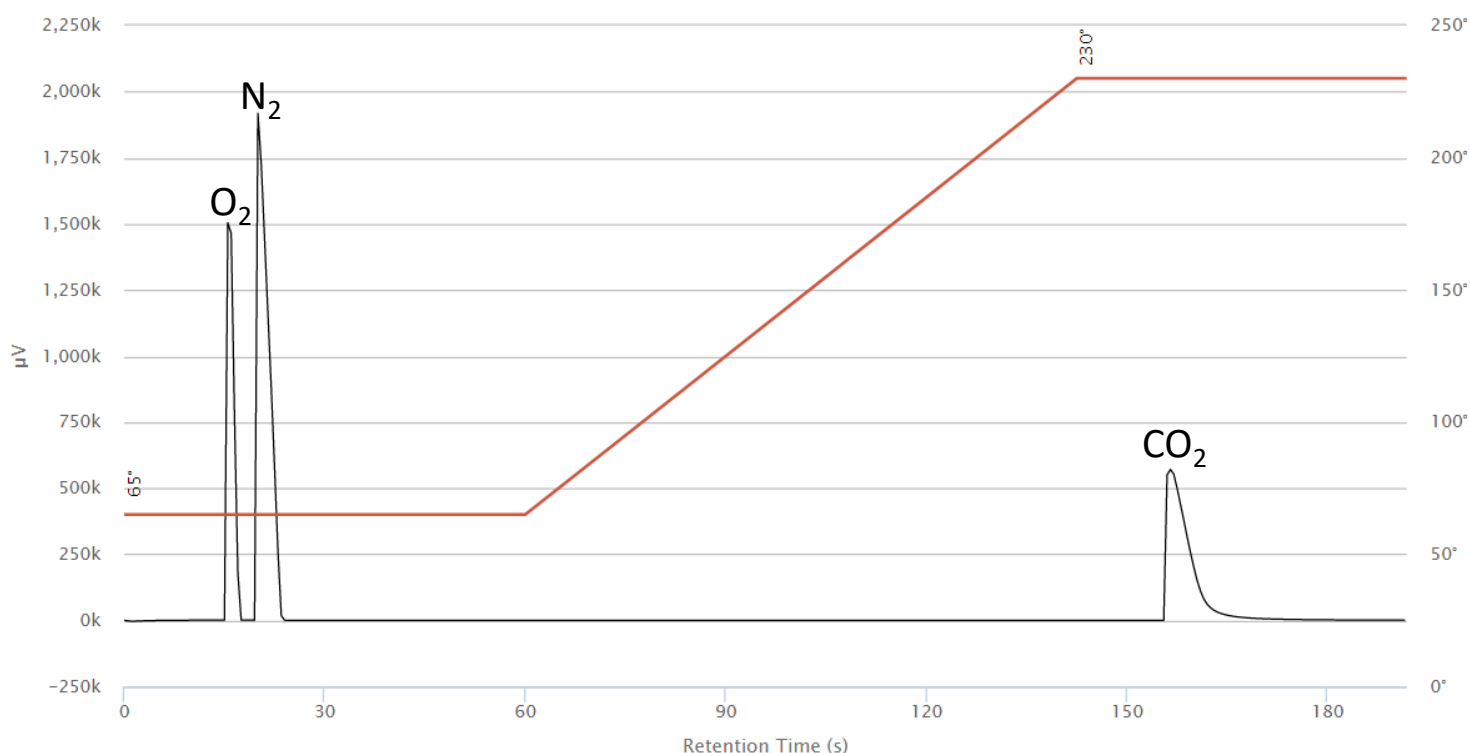


Context :

The objective of this application is to measure on a single module Fusion oxygen (O₂), nitrogen (N₂) and carbon dioxide (CO₂).

This measurement was previously performed with two modules Micro GC.

This MS5A module, programmable in temperature, also allows measurement of methane, (CH₄) hydrogen (H₂) and carbon monoxide (CO).



Sample Info : Measurement of gas production of bacterial origin.
On-line analysis of CO₂ production (Green Chemistry).

Column: MS5A, RT-Molsieve

Method : 65°C for 60s then 2°C/s to 230°C for 70s.

Analysis time : less than 210 seconds

Results :

- O₂(17,86 %)
- N₂(64,60 %)
- CO₂(17,54 %)

