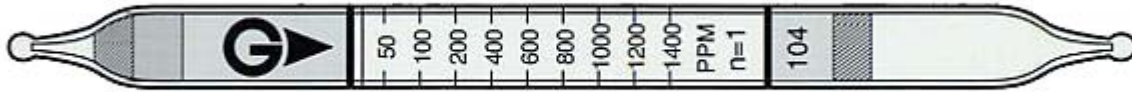


ButaneC₄Humidity
Correction₁₀**NO.104****Performance**

Measuring Range	25 to 1400 ppm
Number of Pump Strokes	1
Correction Factor	1
Sampling Time	4 minutes per pump stroke
Detecting Limit	5 ppm (n=1)
Color Change	Orange → Dark Green
Reaction Principle	Butane reduces chromic acid to form chromic sulfate, which is dark green in color $\text{C}_4\text{Humidity Correction}_{10} + \text{K}_2\text{Cr}_2\text{O}_7 + \text{H}_2\text{SO}_4 \longrightarrow \text{Cr}_2(\text{SO}_4)_3$
Coefficient of Variation	10% (for 25 to 400 ppm), 5% (for 400 to 1400 ppm)
Shelf Life	3 Years
Corrections for temperature & humidity	Unnecessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Organic solvents	-	Plus error	Dark green

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Isobutane	Factor : 2.2	1	55 to 3080 ppm
Pentane	Factor : 1.2	1	30 to 1680 ppm

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
800ppm	-	1.6 to 8.5%

Nextteq LLC – 8406 Benjamin Rd., Suite J, Tampa FL 33634, USA

Phone (toll free): 877-312-2333 Fax (toll free) 877-312-2444

Policy Statement and Legal Notices

Nextteq is Gastec's Exclusive U.S. Master Wholesale Distributor. Gastec tubes and pumps are manufactured by the Gastec Corporation.