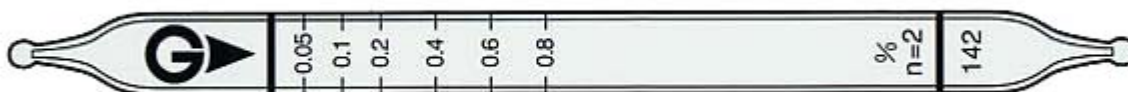


Butyl acetate

CH₃CO₂(CH₂)₃CH₃
(CH₃CO₂C₄Humidity Correction₉)

no. **142**

Performance

Measuring Range	0.05 to 0.8%
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	1.5 minutes per pump stroke
Detecting Limit	0.002% (n=2)
Color Change	Orange → Greenish Brown
Reaction Principle	CH ₃ CO ₂ (CH ₂) ₃ CH ₃ + Cr ⁶⁺ H ₂ SO ₄ → Cr ³⁺
Coefficient of Variation	15% (for 0.01 to 0.2 %), 10% (for 0.2 to 0.8 %)
Shelf Life	3 Years
Corrections for temperature & humidity	Temperature correction is necessary
Store the tubes at cool and dark place.	

Possible coexisting substances and their interferences (NOTE)

Substance	Concentration	Interference	Change color by itself
Sulfur dioxide	500 ppm	Plus error	Discolors green
Hydrogen sulfide	500 ppm	Plus error	Discolors dark green
Alcohols, Esters, Ketones	-	Plus error	Discolors dark green
Propane	2000 ppm	Plus error	Dark green (Whole layer)
Aromatic HCs	500 ppm	Plus error	Discolors Greenish brown

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
150ppm	200ppm	1.7 to 7.6%

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.