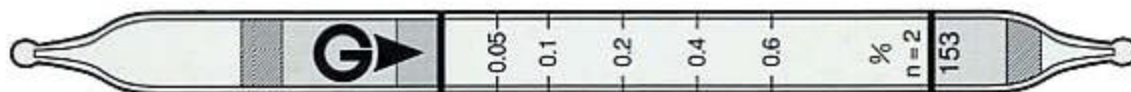


Methyl isobutyl ketone**NO.153****Performance**

Measuring Range	0.05 to 0.6%
Number of Pump Strokes	2
Correction Factor	1
Sampling Time	1.5 minutes per pump stroke
Detecting Limit	0.001% (n=2)
Color Change	Orange → Greenish Brown
Reaction Principle	$(\text{CH}_3)_2\text{CHCH}_2\text{COCH}_3 + \text{Cr}^{6+} + \text{H}_2\text{SO}_4 \longrightarrow \text{Cr}^{3+}$
Coefficient of Variation	10% (for 0.05 to 0.2 %), 5% (for 0.2 to 0.6 %)
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 (≥5000 ppm)
Hydrogen sulfide	500 ppm	Plus error	Discolors dark green (≥5000 ppm)
Alcohols, Esters, Ketones	-	Plus error	Discolors greenish brown
Propane	0.2%	Cannot measure	Produce dark green for whole layer (≥2000 ppm)
Aromatic HCs	500 ppm	Plus error	Discolors Greenish brown (≥5000 ppm)

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Stroke	Measuring Range
Styrene	1.5	1	0.075 to 0.9%

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
50ppm	75ppm	1.2 to 8%



© 2002 Nextteq LLC

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.