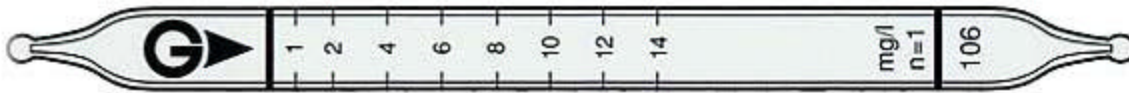


Petroleum naphtha

NO.106

Performance

Measuring Range	0.5 to 1 mg/l	1 to 14 mg/l	14 to 28 mg/l
Number of Pump Strokes	2	1	1/2
Correction Factor	1/2	1	2
Sampling Time	1 minute per pump stroke		
Detecting Limit	0.1 mg/l (n=2)		
Color Change	Orange → Dark Green		
Reaction Principle	Petroleum naphtha reduces chromic acid to form chromic sulfate to produce dark green color.		
Coefficient of Variation	10% (for 1 to 4 mg/l), 5% (for 4 to 14 mg/l)		
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
Sulfur dioxide	500 ppm	Plus error	Produce green color
Hydrogen sulfide	500 ppm	Plus error	Produce blackish brown (≥500 ppm)
Acetylene	3%	Unable to measure	Produce blackish brown for whole laer
Propane	0.2%	Unable to measure	Produce blackish brown for whole layer
Organic solvents	-	Plus error	Produce greenish brown

Other substance measurable with this detector tube

Substance	Correction Factor	Pump Strokes	Measuring Range
Petroleum benzene	1.0	1/2, 1 or 2	0.5 to 28 mg/l
Petroleum ether	1.0	1/2, 1 or 2	0.5 to 28 mg/l

Calibration gas generation Static gas dilution method

TLV-TWA	TLV-STEL	Explosive range
-	-	1.1 to 5.9%



© 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.