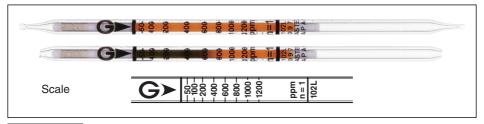
# Hexane CH3 (CH2) 4CH3



### Performance

Measuring range	3.5 to 9 ppm	9 to 25 ppm	25 to 50 ppm	50 to 1200 ppm
Number of pump strokes	8 (800mL)	4 (400mL)	2 (200mL)	1 (100mL)
Correction factor	0.07	0.18	0.5	1
Sampling time	12 min	6 min	3 min	1.5 min

Detecting limit: 1 ppm (5 pump strokes)

Colour change : Yellowish brown → Greenish brown

Operating conditions : Temperature 0 to 40 °C (32 to 104 °F) correction not used

Relative humidity 0 to 90 % correction not used

Relative standard deviation : 10 % (for 50 to 400 ppm), 5 % (for 400 to 1200 ppm) Tube quantity and number of tests per box : 10 tubes for 10 tests

Shelf life: 36 months

## Reaction principle

CH<sub>3</sub> (CH<sub>2</sub>)<sub>4</sub>CH<sub>3</sub> + Cr<sup>6</sup> + H<sub>2</sub>SO<sub>4</sub> → Cr<sup>3</sup> +

# Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Acetylene		+	Blackish brown
Aromatic hydrocarbons		+	
Alcohols, Esters, Ketones		+	Greenish brown
Organic solvents ( $\geq C_3$ )		+	J
Hydrogen sulphide		+	Blackish brown
Sulphur dioxide		+	Greenish brown

### Other substances measurable with this detector tube

Substance	Correction	No. of pump strokes	Measuring range
Acrylonitrile	Factor: 12	1	0.06 to 1.44 %
tert-Butyl alcohol	Factor: 10	2	0.05 to 1.2 %
Chlorocyclohexane	Factor: 1	2	50 to 1200 ppm
Cyclohexane	Factor: 1.2	1	60 to 1440 ppm
Diisobutyl ketone	by scale	2	0.2 to 1.0 %

## Calibration gas generation

High pressure gas cylinder method