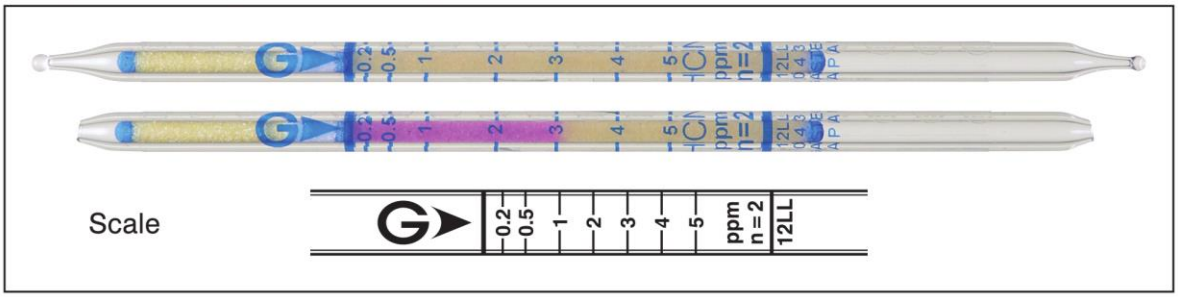
wiserise marine

Hydrogen Cyanide HCN

Part No.: 12LL

Hydrogen Cyanide HCN No.12LL



Performance

Measuring range	0.2 to 5 ppm	5 to 10 ppm
Number of pump strokes	2（200 mL）	1（100 mL）
Correction factor	1	2
Sampling time	3 min	1.5 min

Detecting limit : 0.05 ppm（2 pump strokes）
Colour change : Yellow → Pink
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 : 5 %（for 0.2 to 5 ppm）
Tube quantity and number of tests per box : 10 tubes for 10 tests
Shelf life : 24 months

Reaction principle

Hydrogen cyanide reacts with the reagent to form intermediate material which stains indicator pink.

Possible coexisting substances and their interferences

Substance	Concentration	Interference	Changes colour by itself to
Ammonia	≧ 2.2 ppm	−	No
Hydrogen chloride	≧ 1.6 ppm	+	Pink（≧ 2.0 ppm）
Nitric acid	≧ 2.0 ppm	+	Pink（≧ 3.0 ppm）
Sulphur dioxide	≧ 0.5 ppm	+	Pink（≧ 0.6 ppm）
Nitrogen dioxide	≧ 5.0 ppm	+	Pale pink（≧ 5.5 ppm）
Hydrogen fluoride	≧ 10.0 ppm	+	Pink（≧ 15.0 ppm）
Hydrogen sulphide		+	Pink

Calibration gas generation

Permeation tube method

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