

Filming Amine (aliphatic amine)

Method

Filming amines are fed continuously into boiler feed-water to protect metal surfaces from corrosion caused by dissolved oxygen and carbon dioxide in condensate water. The amine forms a thin film on the surfaces that repels the potentially corrosive water.

The Methyl Orange Method

Reference: ASTM D 2327-80, Mono- and Dioctadecylamines in Water.

CHEMetrics' 3-minute procedure uses the standard methyl orange chemistry and features a unique extraction technique. The extraction eliminates several steps required in other procedures and provides increased sensitivity.

The filming amine compound reacts with methyl orange to form a yellow-colored complex that is extracted into an immiscible organic solvent. Results are expressed in ppm (mg/L) octadecylamine.

Visual Kit

Range: 0-1 ppm
MDL: 0.05 ppm / Method: Methyl Orange

	Cat#
CHEMetrics Kit	K-1001
CHEMetrics Refill, 20 ampoule sets	R-1000
Comparator 0, 0.05, 0.10, 0.15, 0.25, 0.50, 0.75, 1.0 ppm	C-1001


Kit comes in a cardboard box and contains everything needed to perform 20 tests: Refill, Comparator, reaction tube with lid, tip breaking tool and instructions.

Components and Accessories

Description	Cat#
Tip Breaking Tool Pack (2 ea)	A-0197
Reaction Tube w/Lid, Filming Amine (5 ea)	A-0087F

Instructions and SDSs are posted on our website.

If no shelf life is listed for a product, then the shelf life is at least 1 year.

 **WARNING!** This product can expose you to chemicals including chloroform, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.