

Measuring Fats, Oils and Grease (FOG) in Wastewater

- Comparable to EPA 1664
- Complies with ASTM D7066
- Battery operable for on-site compliance testing
- Test industrial wastewater prior to release
- Results in under 15 minutes



InfraCal 2 Analyzer

Industrial and food processing plants that have high levels of fats, oil and grease (FOG) in their effluent face strict wastewater regulations. The Wilks InfraCal 2 Analyzers provide accurate, easy on-site analysis to help both regulators and industry reduce excessive oil/grease discharges and comply with permit requirements. On-site results are attained in 10-15 minutes, eliminating the wait for remote lab results which can take several days to a week. The extraction and measurement procedure is simple enough for an operator with minimal training to do the analysis.

The InfraCal 2 Analyzer is a compact, fixed-filter mid-infrared analyzer with no moving parts. It weighs less than 5 pounds and can be battery operated. This makes it portable, sturdy and operable in the range of ambient conditions typically found in field environments. The ability to hold multiple calibrations gives pretreatment operators and regulators the ability to measure in the ppm range and the percent range with a single instrument. The infrared technology used in the InfraCal Analyzers typically correlates well with regulatory methods. The data to the right from an offshore oil rig in the Black Sea compares the InfraCal Analyzer to the EPA 1664 gravimetric method. The gravimetric method uses 10 times more solvent than the InfraCal, takes up to two hours and is not portable. The Wilks InfraCal Analyzers offer a quick and portable solution for FOG testing.

InfraCal Analyzer	NTL-1664
31	33
15	32
17	27
23	29
15	30
20	34
10	12
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25	24
19	11
13	21
10	21
17	21
17	19
15	19
13	14
13	8

Ordering Information:

Part Number	Analyzer Model	Minimum Detection	Calibration Options	Solvent
405-2034	InfraCal 2 ATR-SP	0.3mg/L	Uncalibrated	Hexane, Vertrel MCA, Pentane, Cyclohexane
405-2034-72	InfraCal 2 ATR-SP	0.3mg/L	Factory Cal-Hexane/FOG 6 point set, 10, 25, 50, 100, 150, and 200 mg/L*	Hexane, Vertrel MCA, Pentane, Cyclohexane
405-2035	InfraCal 2 TRANS-SP	0.1mg/L	Uncalibrated	Tetrachloroethylene (perchloroethylene), S-316, Freon
405-2035-78	InfraCal 2 TRANS-SP	0.1mg/L	Factory Cal-Tetrachloroethylene/FOG 6 point set-10, 25, 50, 100, 150, and 200 mg/L*	Tetrachloroethylene (perchloroethylene)
405-2035-40	InfraCal 2 TRANS-SP	0.1mg/L	Factory Cal-S-316/FOG 6 point set-10, 25, 50, 100, 150, and 200 mg/L*	S-316

*Note: Lower range calibrations available for oil in water