



Colour Units

SEAL Application ML-906

▶ SCOPE AND APPLICATION

This method covers the determination of Colour Units (CU) in waters.

Applicable Range: 0 – 250 CU

This method is equivalent to Standard Method 2120 C and EPA 110.2.

▶ METHOD DESCRIPTION

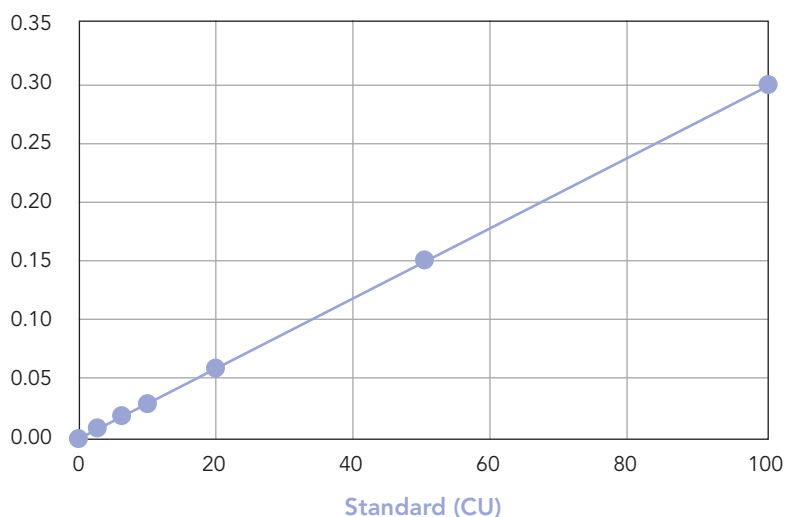
Colour is an indicator of water quality. Colour is compared to a platinum standard where 1 CU equals 1 ppm platinum. In general this test is done by spectrophotometric testing, using a flow cell, at 410 nm but additional wavelengths can be used.

▶ METHOD PERFORMANCE

Standard Concentration (CU)	10	250
Precision (95% Confidence Interval) (CU)	7.2 - 12.8	245 - 255
Sensitivity Concentration Change per 0.01 AU change (CU)	16	16

Absorbance

Example Calibration



Standard (CU)	Absorbance
0	0.000
2	0.006
6	0.016
10	0.027
20	0.057
50	0.148
100	0.298