

C. J. Downes et al. 'Determination of Cyanuric Acid Levels in Swimming Pool Waters', *Water Research*, V 18 No. 3 (1984): 277-280.

Method:

Prepare a stock solution of melamine by dissolving 2.5 g laboratory reagent grade melamine in 700 mL warm water. After cooling to room temperature add 10 g sodium acetate and make up to 1000 mL with water.

Mix 25 mL of melamine solution with an equal volume of test solution and shake for 2 minutes. Determine the absorbance at 420 nm with distilled water as the reference.

Typical results:

Turbidimetric results, absorbance at 420 nm, 1 cm cuvette cell (A 420nm).	
Cyanuric acid concentration (mg/L)	Absorbance (420 nm)
0	0.001
10	0.109
20	0.244
40	0.440
60	0.637
80	0.831
100	1.071

Toxicology:

Harmful if swallowed, inhaled or absorbed through the skin. Chronic exposure may cause cancer or reproductive damage. Eye, skin and respiratory irritant. Maybe too harmful for school. Need to check MSDS.