Electronic Supplementary Material (ESI) for Analytical Methods.

ELECTRONIC SUPPLEMENTARY INFORMATION

A new procedure on field and indirect photometric determination of water in ethanol fuel

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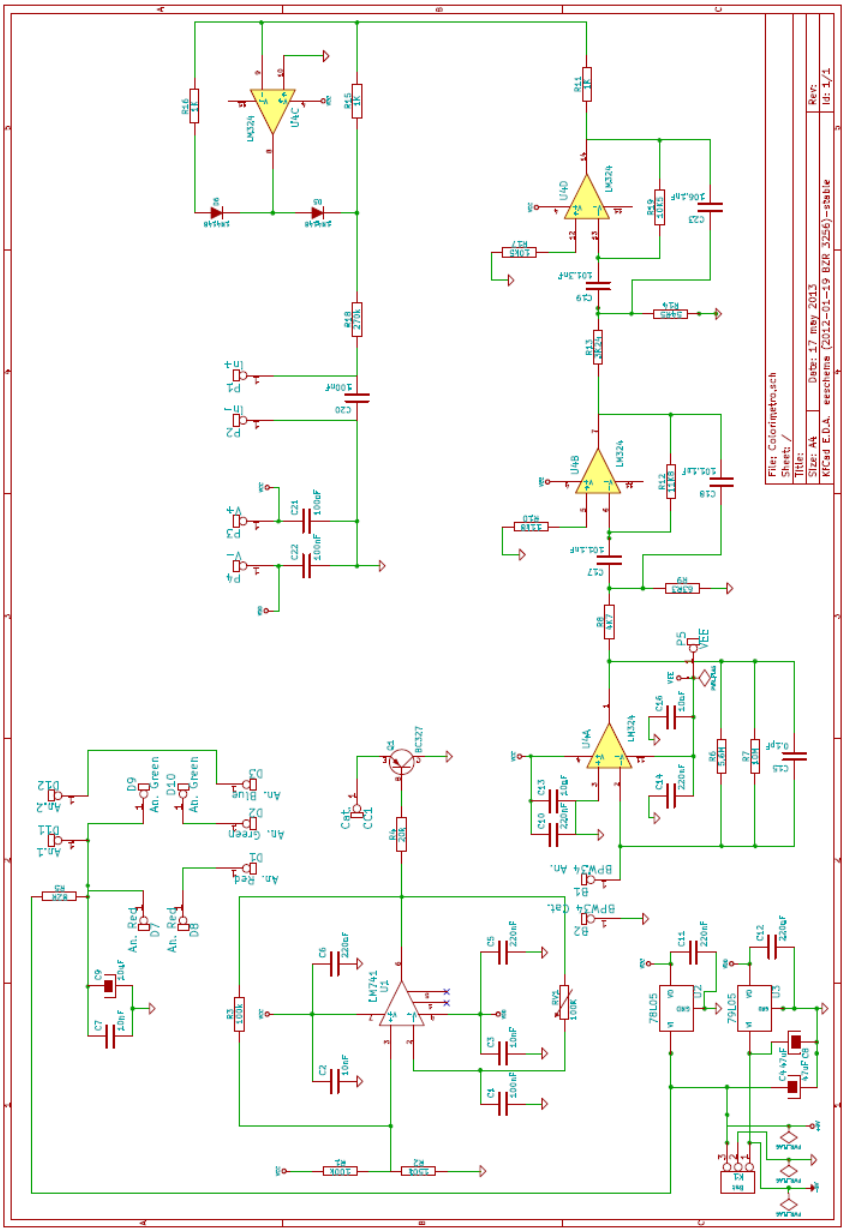

Figure S1. Eletronic circuit for the home-made photometry system.

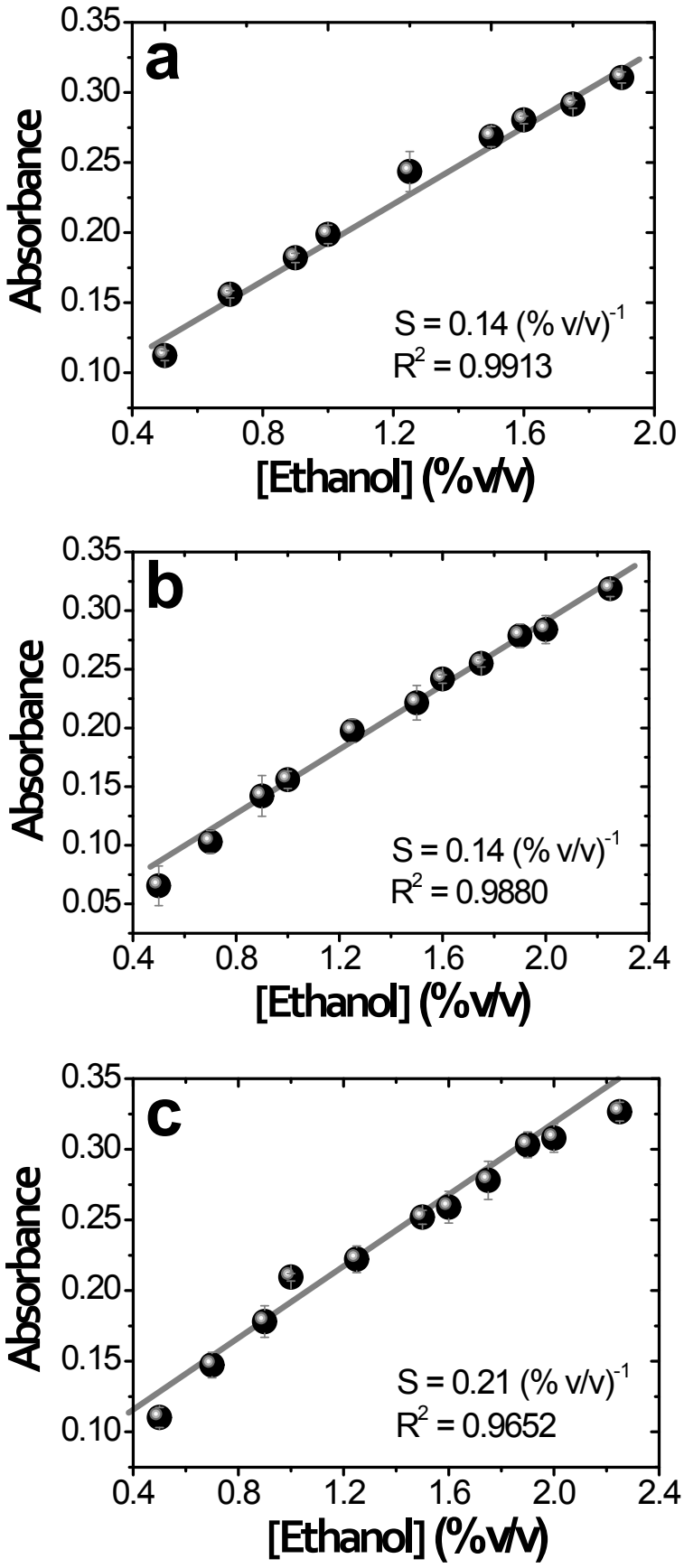

Figure S2. Analytical curves for other investigated colorimetric reagent conditions presented in **Table 1** (main text). Conditions **A (a)**, **C (b)**, and **D (c)**.

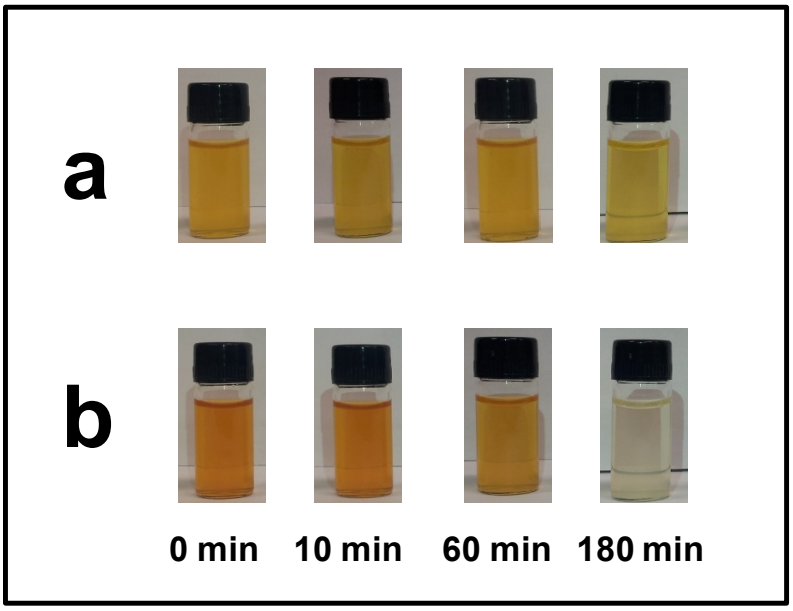

Figure S3. Photos showing the formed complexes using 0.2 **(a)** and 0.6% v/v ethanol to water **(b)** after 0, 10, 60, and 180 min of reaction.

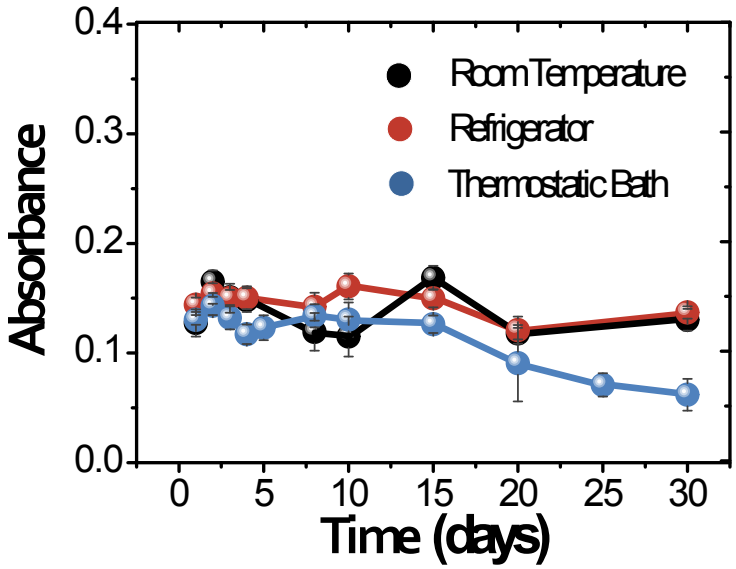

Fig. S4. Storage stability of the reagent using ethanol 0.6% v/v for 30 days (n = 3); reagent stored at room temperature (●), in the refrigerator (●) and in the thermostatic bath (●).