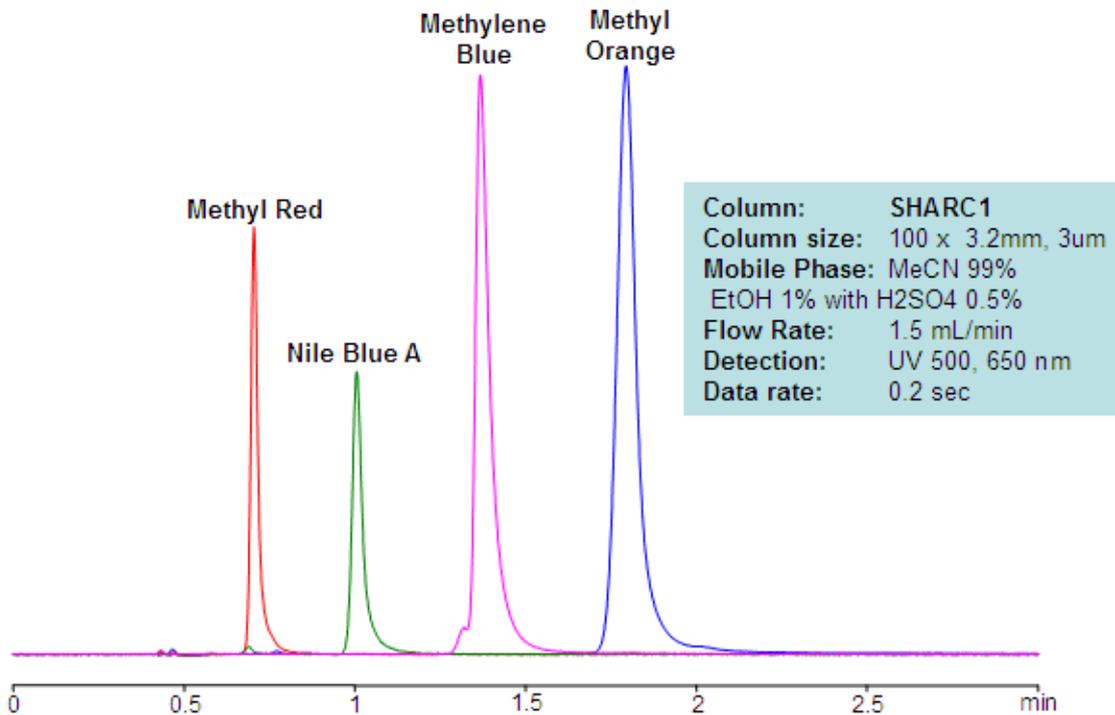# HPLC Dye Separation on SHARC1 Column

The SHARC™ family of innovative columns represents the first commercially available columns primarily utilizing separation based on hydrogen bonding. SHARC stands for Specific Hydrogen-bond Adsorption Resolution Column . Hydrogen bonding involves an interaction or attraction between a bound hydrogen atom and molecules containing electronegative atoms, such as oxygen, nitrogen, and fluorine.

Method Parameters

Column	Sharc 1, 3.2×100 mm, 3 µm, 100 Å
Mobile Phase	MeCN/EtOH – 99/1%
Buffer	H_2SO_4 – 0.5%
Flow Rate	1.5 mL/min
Detection	UV, 500, 650 nm

Quelle: https://sielc.com/HPLC_Dye_Separation_on_SHARC1_Column