

HPLC Solvents Indicator

Performance Specification

To determine the sensitivity of the HPLC solvents indicator, a solution/mixture of 10% solvent in water was bubbled with ambient air at a flow rate of 5cc/min. The airflow was passed through the breakthrough detector until a color change was observed. The elapsed time to observe the first noticeable and the final colors for the respective organic solvent is depicted in the table below.

Solvent (10% in Water)	Breakthrough Detection Time	
	First Noticeable Color (min)	Final Color (min)
Acetone	10	30
Acetonitrile	10	30
Chloroform	2	5
Ethanol	2	5
Ethyl acetate	2	5
Methanol	2	5
Methylene chloride	2	4
Tetrahydrofuran	10	20



Unexposed



Exposed

Colors are approximate depending on the specific chemical