

Column performance test mixture for liquid chromatography

Art. ID	NIST-870
Unit	5 x 1,1 mL
Deliverydetails	No Dangerous Good /not restricted

Description

5 x 1.1 mL NIST-870 is a mixture of five organic compounds in methanol intended for use in characterising general aspects of liquid chromatographic (LC) column performance, including efficiency, void volume, methylene selectivity, retentiveness, and activity toward chelators and organic bases. Other possible uses include column classification to aid column selection during method development, as a control material for monitoring LC column performance over time, and in quality control for column manufacturing. NIST-870 consists of a mixture of the following five organic compounds in methanol: uracil, toluene, ethylbenzene, quinizarin, and amitriptyline. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Uracil	[66-22-8]	27.1 ± 1.3	mg/kg		
	Toluene	[108-88-3]	1430 ± 40	mg/kg		
	Ethylbenzene	[100-41-4]	1730 ± 40	mg/kg		
	Quinizarin	[81-64-1]	90.8 ± 2.5	mg/kg		
	Amitriptyline HCl		2740 ± 150	mg/kg		