

## **Column selectivity test mixture for liquid chromatography**

Art. ID	NIST-869b
Unit	5 x 1,1 mL
Deliverydetails	No Dangerous Good /not restricted

### **Description**

This Standard Reference Material( (SRM®) is a mixture of three polycyclic aromatic hydrocarbons (PAHs) in acetonitrile: benzo[a]pyrene (BaP), 1,2:3,4:5,6:7,8-tetrabenzonaphthalene (TBN, dibenzo[g,p]chrysene), and phenanthro[3,4-c]phenanthrene (PhPh). NIST-869b is useful for characterising liquid chromatographic (LC) column selectivity for separation of PAHs. Depending on the elution order of the three components, column selectivity can be predicted for complex PAH mixtures (particularly isomeric PAHs). Even though the primary use of this mixture in the past has been to characterise columns for PAH separations, applications to the assessment of column selectivity for other classes of compounds such as carotene isomers has also been demonstrated. A unit of NIST-869b consists of 5 ampoules, each containing 1.1 mL of the PAH mixture. /// Sample value(s) - please ask for current certificate.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
BaP	Benzo(a)pyrene	[50-32-8]	2,06 ± 0,05	mg/kg		