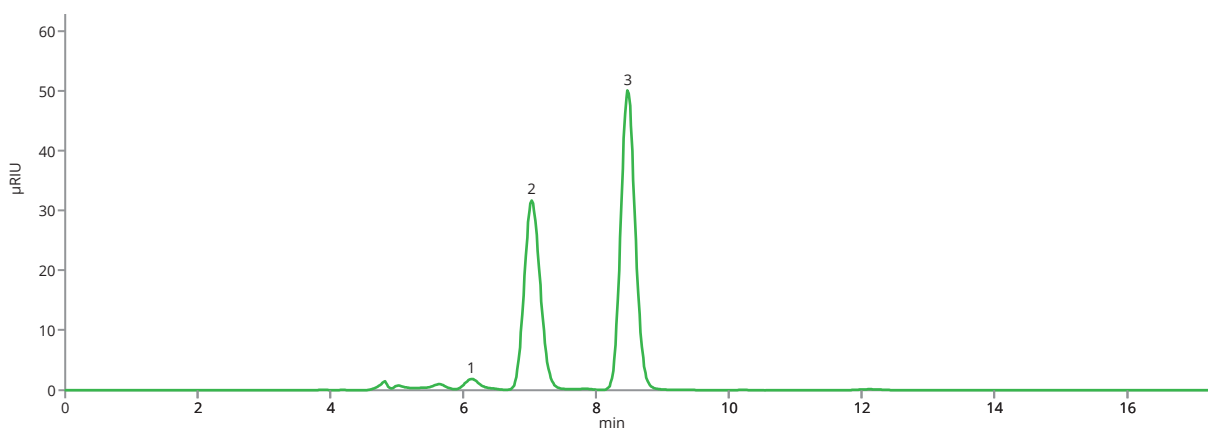


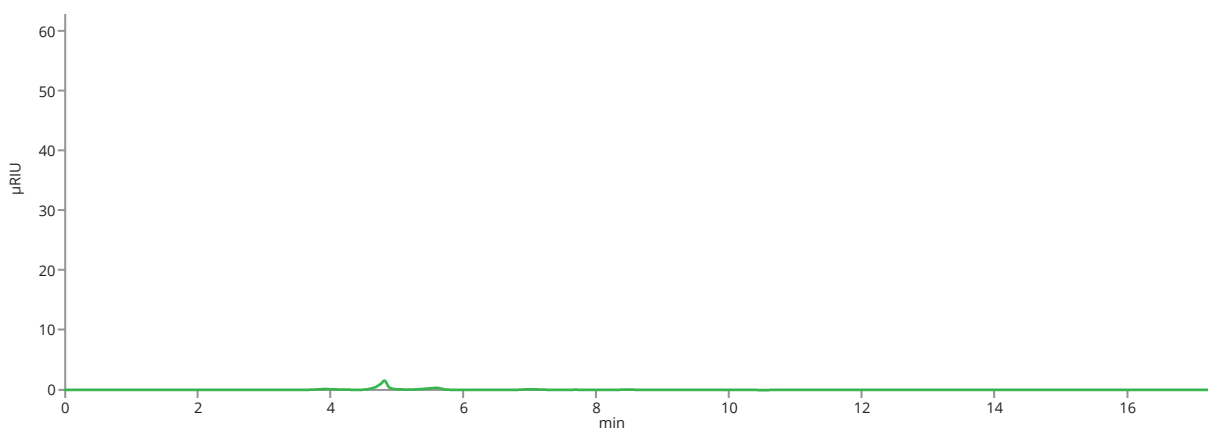


Sugars in non-alcoholic beverages

Non-alcoholic beverages are popular among children and adolescents. Due to high content, the sugars separation and quantification in these products are often challenging. In the tested non-alcoholic beverages, several sugars, such as sucrose, glucose and fructose, were detected in different proportions.



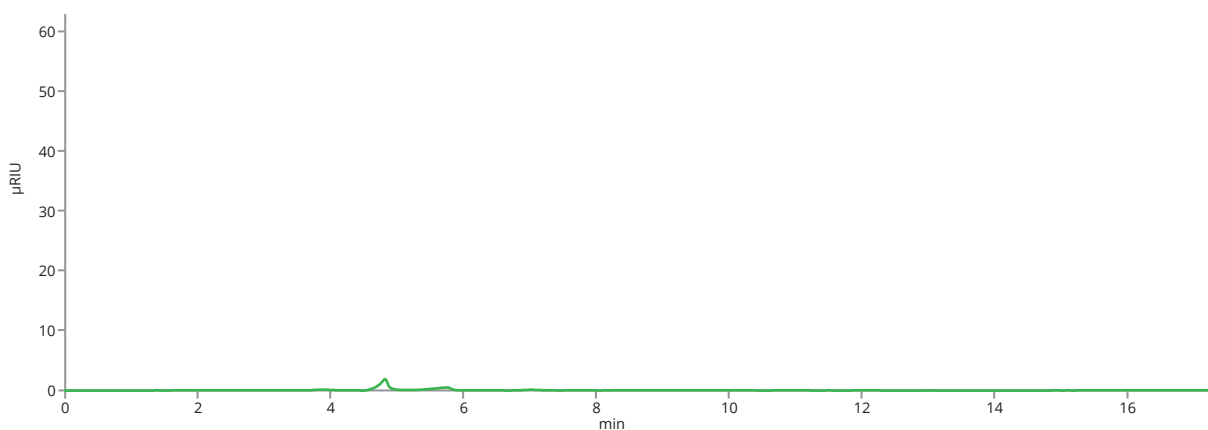
Coca-Cola Original profile on ASTRA® Sugar Ca column



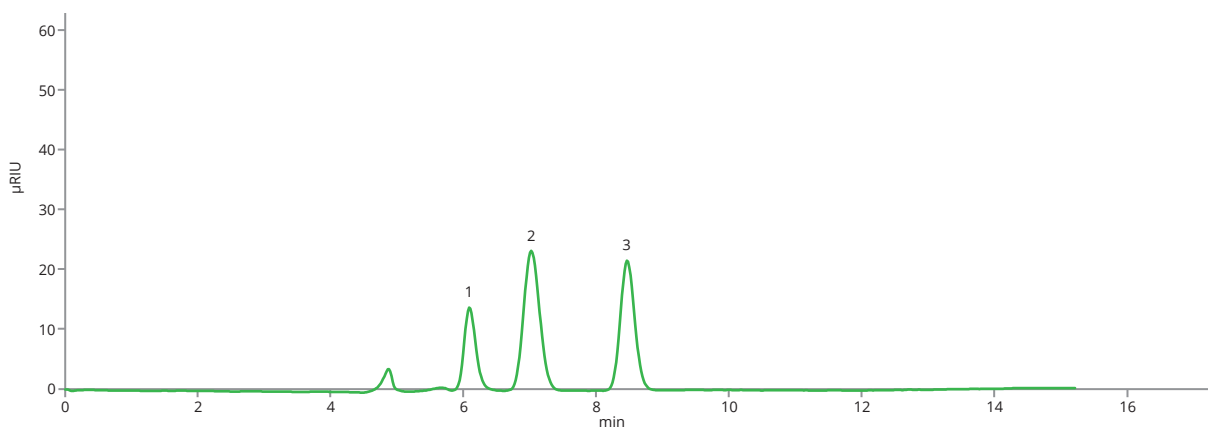
Coca-Cola Light profile on ASTRA® Sugar Ca column



Sugars in non-alcoholic beverages

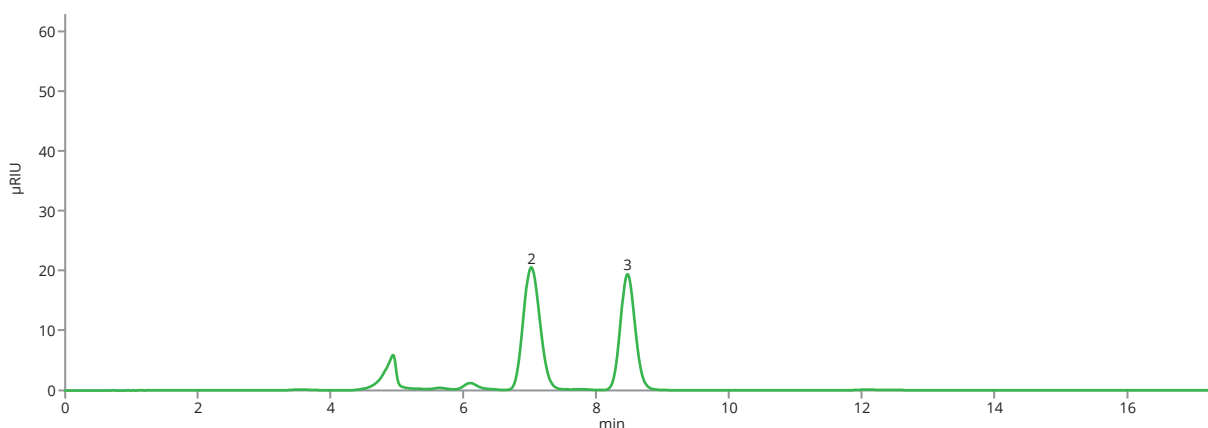


Coca-Cola Zero profile on ASTRA® Sugar Ca column



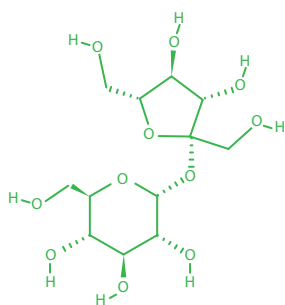
Kofola profile on ASTRA® Sugar Ca column

Sugars in non-alcoholic beverages

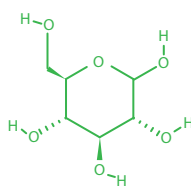


Apple juice concentrate profile on ASTRA® Sugar Ca column

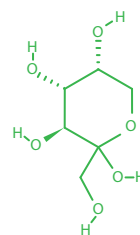
Column	ASTRA® Sugar Ca(S), 10 μm
Dimensions	300 mm × 8 mm
Part number	AST-5906-VN80
Mobile phase	100% H ₂ O
Flow rate	1.0 mL/min
Temperature	80 °C
Injection volume	3 μL
Detection	RID (55 °C)
Analytes	2. Glucose, CAS number 2280-44-6 3. Fructose, CAS number 57-48-7



Sucrose



Glucose



Fructose