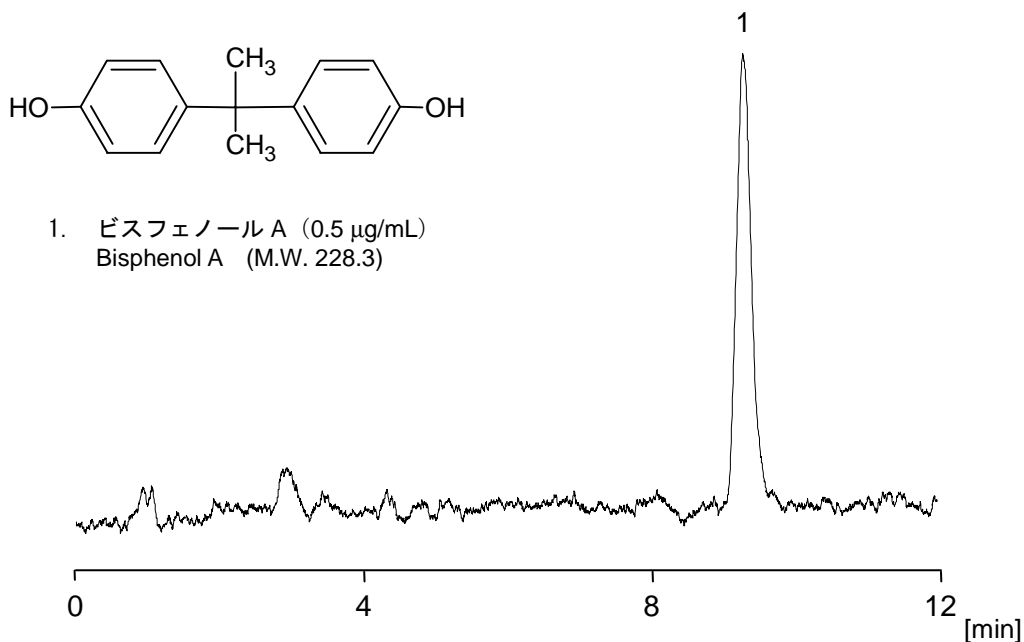


ビスフェノール A は女性ホルモン様作用が疑われる物質で、特に樹脂製の食品包装容器などを由来とする人体への影響が懸念されています。CAPCELL CORE PFP (2.1 mm i.d. x 150 mm) を用い、蛍光検出器により測定した例を示します。流速は通常流速の 2 倍としました (圧力: 装置とカラムの分を含め最大 44.1 MPa)。

Bisphenol A, known as one of the environmental hormones, is said to influence human body through plastic food containers. The compound was separated with CAPCELL CORE PFP (2.1 mm i.d. x 150 mm), and a fluorescence detector was used for detection. The flow rate was 400 $\mu\text{L}/\text{min}$ (pressure: 44.1 MPa, including the column and the instruments), which corresponded to twice the common flow rate.

**【HPLC Conditions】**

Column	: CAPCELL CORE PFP S2.7 ; 2.1 mm i.d. x 150 mm
Mobile phase	: H_2O / CH_3OH = 60 / 40
Flow rate	: 400 μL / min
Temperature	: 40 $^\circ\text{C}$
Detection	: FL Ex. 275 nm, Em. 310 nm
Inj. vol.	: 3 μL
Sample dissolved in	: Standard compound was dissolved in CH_3CN at 1000 $\mu\text{g}/\text{mL}$. 50 μL portion of the solution was diluted to 100 mL with the mobile phase.
	※ 1 $\mu\text{g}/\text{mL}$ = 1 ppm