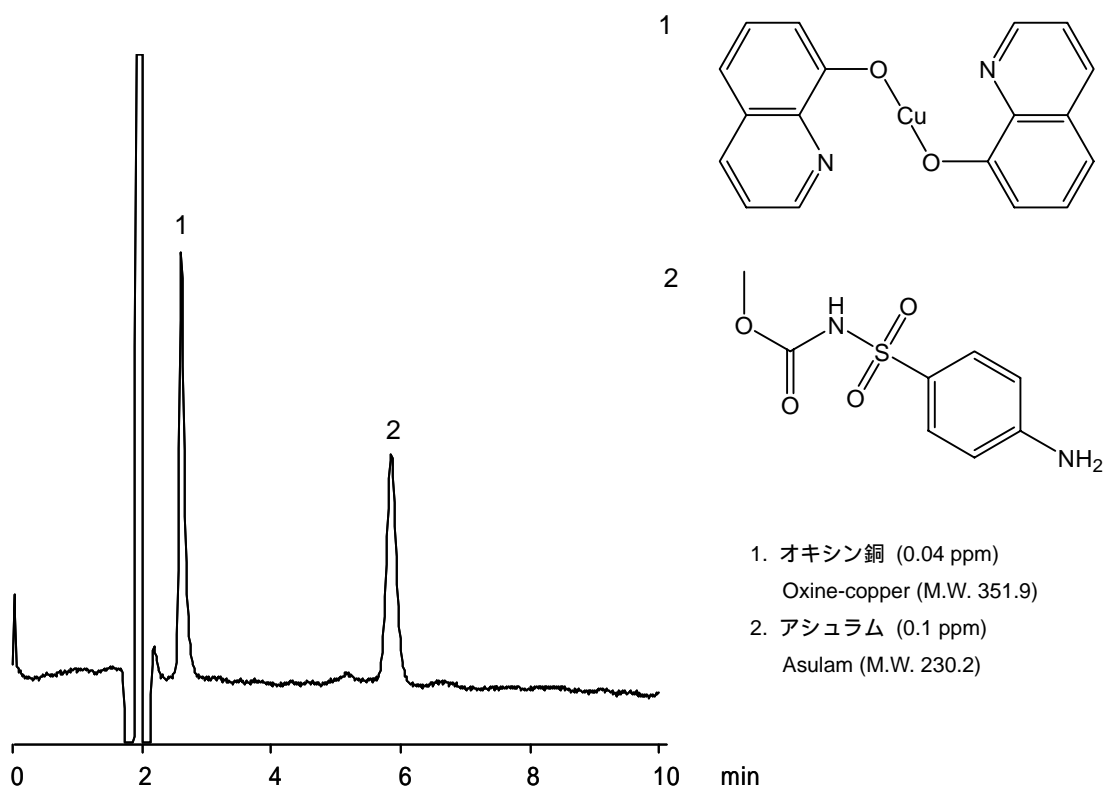


オキシシン銅 , アシュラム

Oxine-copper, Asulam

ゴルフ場農薬として使用される両物質は、下記の濃度にて S/N > 40 を達成しています。アシュラムについては、UV 270 nm で分析することにより、さらなる高感度分析が可能です。

These golf course herbicides can be analyzed at the levels indicated below, attaining S/N ratio values greater than 40. Asulam can be more sensitively detected with a UV detector at 270 nm.



[HPLC Conditions]

Column : CAPCELL PAK C₁₈ UG120 S5 ; 2.0 mm i.d. x 150 mm
Mobile phase : 0.1 vol% HCOOH / CH₃CN = 90 / 10
Flow rate : 200 μ L/min
Temperature : 40 °C
Detection : UV 250 nm
Inj. vol. : 20 μ L
Sample dissolved in : First, oxine-copper was dissolved in chloroform at 1000 ppm, and asulam was dissolved in acetonitrile at 1000 ppm. Both solutions were mixed together, and then, diluted with the mobile phase so that the final concentrations of both compounds be 0.04 ppm and 0.1 ppm, respectively.
1 μ g/mL = 1 ppm