

Analysis of vitamin B2 in chlorella

Vitamin B2 in chlorella was analyzed by using the reversed phase LC column, Finepak SIL C18 with a mixture of eluents containing ion pair reagent 1-hexanesulfonic acid sodium salt. Both a UV/Vis detector and a fluorescence detector were used. The procedure of the sample pretreatment is shown below.

Conditions:

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| Pump: | PU-980 |
| Detector : | UV-970, 821-FP |
| Wavelength : | UV ; 250nm |
| | FP ; Ex. 375nm, Em. 520nm |
| Sensitivity : | 0.32 AUFS, x100 x16 |
| Column : | Finepak SIL C18S |
| Eluent : | 1mM 1-Hexanesulfonic acid sodium salt + 0.1M KH ₂ PO ₄ (pH3.0) / CH ₃ OH = (90/10) |
| Flow rate : | 1.0ml/min |
| Sample : | Vitamin B2 Chlorella |

