

Determination of taurine in health drink

Taurine in a energy drink was analyzed by HPLC. Fig.1 shows the chromatogram obtained by injecting 10ul of an authentic sample of taurine of 1000mg/l. Fig.2 shows the chromatogram obtained by injecting 10ul of the energy drink. These results indicate that 100ml of the energy drink contained 992mg of taurine.

Conditions:

Pump:	PU-980
Detector:	830-R1
Sensitivity :	32×10^{-5} RIUFS
Column :	Shodex Ionpak KC-811
Eluent :	0.1% H ₃ PO ₄
Flow rate :	1.0ml/min
Temperature :	60 degree celsius
Sample :	Taurine Tonic

