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# Simultaneous determination of ethyl carbamate and urea in Korean rice wine by ultra-performance liquid chromatography coupled with mass spectrometric detection

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## Highlights

- Urea and ethyl carbamate in Korean rice wine were simultaneously analyzed.
- Derivatization was not required for this simple, rapid UPLC-APCI-MS/MS method.
- Effects of temperature and pH on urea and ethyl carbamate correlation were examined.
- Commercial rice wines were successfully analyzed by the developed method.

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