



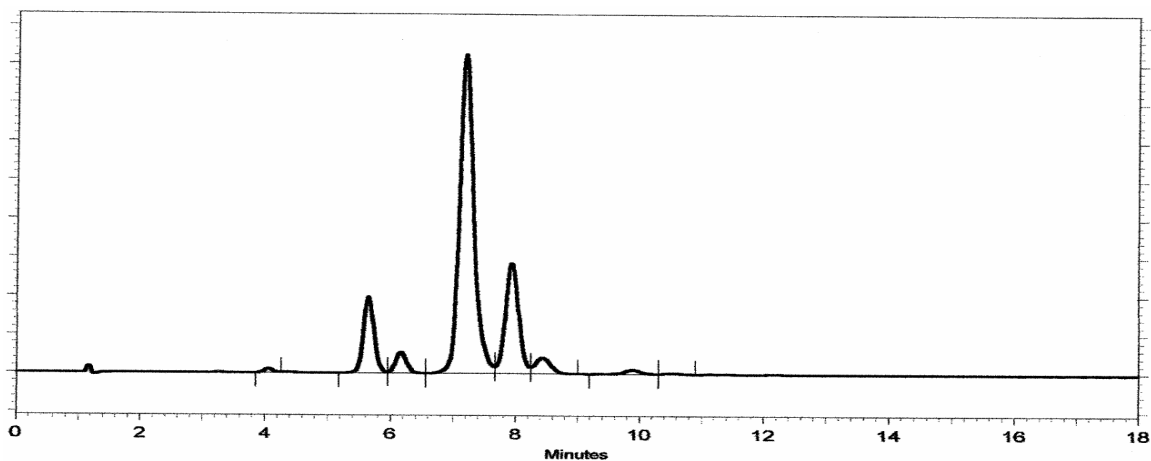
International Subcommittee for  
Isomerized Hop  $\alpha$ -Acids Standards



**DCHA-Rho**

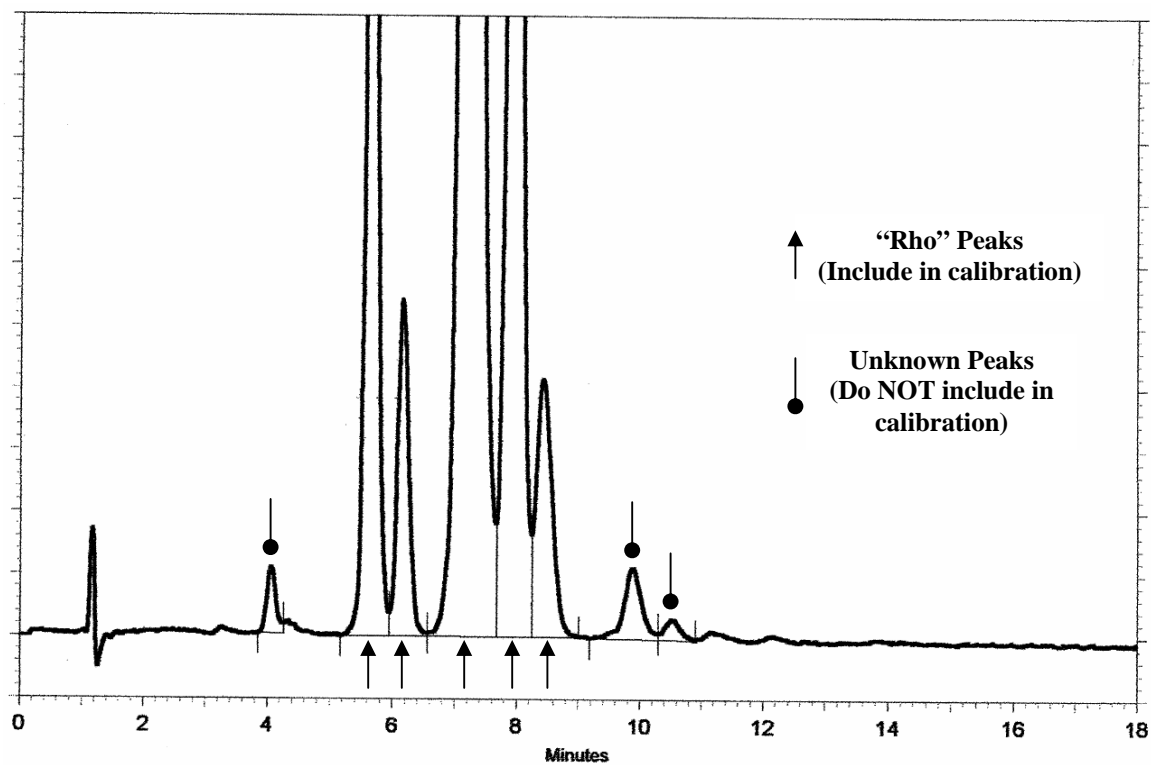
**ICS-R2**

**Analysis by EBC 7.9**



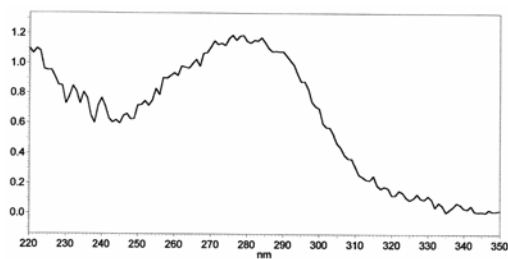
*Synergi Hydro-RP 4 $\mu$ m, C18 150 x 4.6 mm; 40°C; 1.4 mL/min.*

**ICS-R2 (Expanded)**

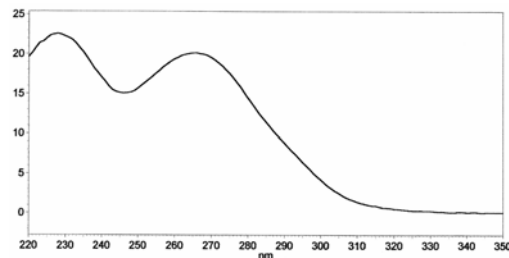


## PDA Spectra

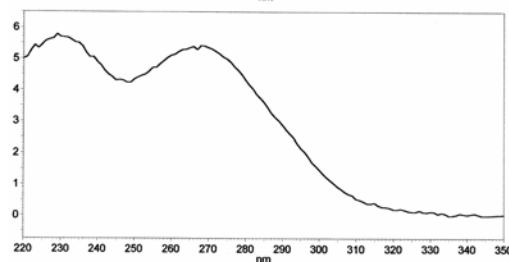
Unknown Peak at 4.05 min.



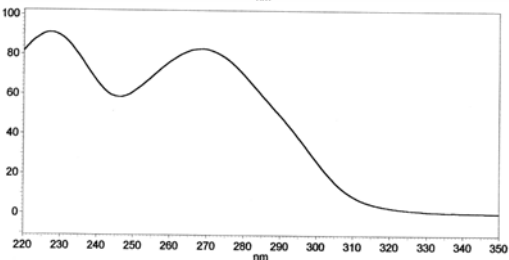
1<sup>st</sup> Rho Peak at 5.65 min.  
(*cis*- $\rho$ -isocohumulone 1)



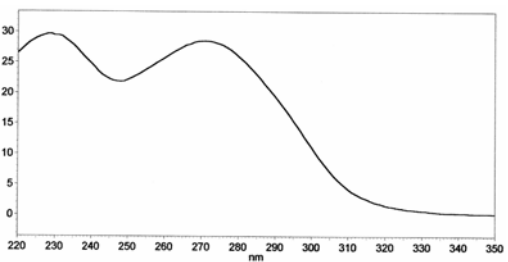
2<sup>nd</sup> Rho Peak at 6.14 min.  
(*cis*- $\rho$ -isocohumulone 2)



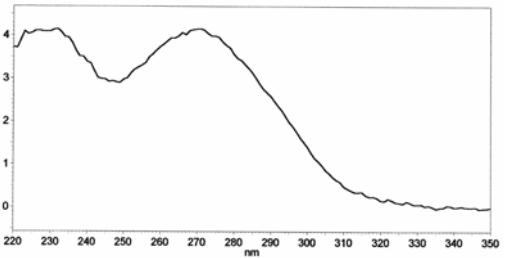
3<sup>rd</sup> Rho Peak at 7.18 min.  
(*cis*- $\rho$ -isohumulone 1)



4<sup>th</sup> Rho Peak at 7.93 min.  
(*cis*- $\rho$ -isohumulone 2)



5<sup>th</sup> Rho Peak at 8.42 min.  
(*cis*- $\rho$ -isoadhumulone 1)



Unknown Peak at 9.89 min.

