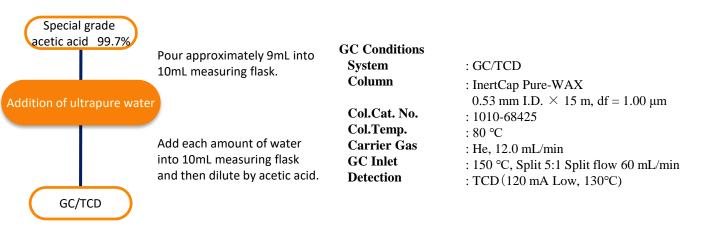
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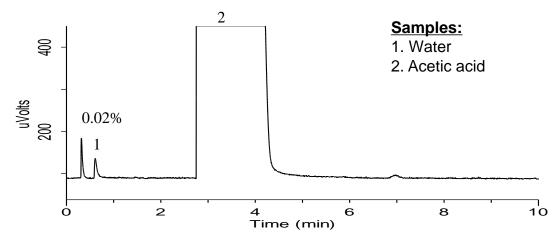
Water contained in acetic acid may sometimes affect the experiment result, such as chemical reaction or mobile phase adjustment of normal phase LC. This time, in order to confirm such quality, water contained in brand-new acetic acid of special grade (higher than 99.7%) was measured simply by the standard addition method.

Procedure of Pretreatment

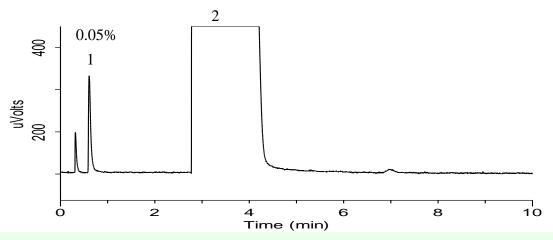


Result

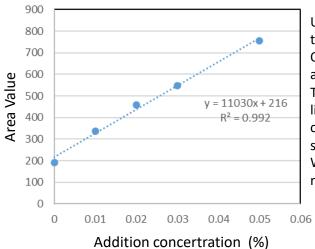
<Chromatogram of special grade acetic acid>



<Chromatogram of special grade acetic acid added with ultrapure water of 0.05%>



Reference: Quantitation by standard addition method



Ultrapure water was added to special grade acetic acid so that the water contain may become 0.010, 0.020, 0.030 and 0.050%. Original water contain becomes relatively reduced when added, and calibration curve is estimated to become a curved line. This time, an even convex curve was obtained, but within the linearity range of R2 = higher than 0.99, quantitation of water contain in special grade acetic acid was implemented simply by standard addition method.

When y-intercept is zero, absolute value [x]=X becomes the result of quantitation. This time the below result was obtained.

$$y = 0 = 11030x + 216$$

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

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