

ASBC Approved Methods Beer – 4B

B. Beer and Distillate Measured Gravimetrically

Alcohol, % by wt, in beer = alcohol, % by wt, in distillate.

Alcohol, % by vol, in beer

$$= \frac{\text{alcohol, \% by wt} \times \text{sp gr of beer}}{0.791}$$

Alcohol, % by vol, in beer

$$= \frac{\text{alcohol, \% by wt} \times \text{sp gr of beer}}{\text{sp gr of ethyl alcohol at } 20^{\circ}\text{C}/20^{\circ}\text{C}}$$

Beer and Distillate Measured Gravimetrically

= sp gr of beer

= sp gr of distillate

= Alcohol, % by wt in distillate

= Alcohol, % by vol in distillate

Results

Alcohol, % by first formula

Alcohol, % by second formula

Alcohol, % by vol in beer

$$= \frac{3.71 \times 1.01041}{0.791}$$

= 4.74

Alcohol, % by vol in beer

$$= \frac{4.66 \times 1.01041}{0.99328}$$

= 4.74