

ASBC Approved Methods Barley - 6

Calculate extract correction for enzyme blank by the formula,

$$E = \frac{P_e(900 - 2D)}{100 - P_e}$$

Calculate extract in barley by the formulas,

$$\begin{aligned} \text{Barley extract, as-is, \%} \\ = \frac{P(800 + M - 2D)}{(100 - P)} - E \end{aligned}$$

$$\begin{aligned} \text{Barley extract, dry basis, \%} \\ = \frac{BE \times 100}{100 - M} \end{aligned}$$

Extract In Barley

D = Enzyme preparation used (g)

P_e = °Plato value of enzyme blank filtrate

P = °Plato value of barley mash filtrate

M = Moisture in barley, %

Results

Extract (E) added with enzyme preparation

Barley extract (BE), as-is basis, %

Barley extract, dry basis, %

Extract (E) added with enzyme preparation

$$E = \frac{1.244[900 - (2 \times 3)]}{100 - 1.244} = 11.3$$

Barley extract (BE), as-is

$$BE = \frac{8.671 \times [800 + 12.5 - (2 \times 3)]}{100 - 8.671} - 11.3 = 65.3$$

Barley extract, dry basis, %

$$= \frac{65.3 \times 100}{100 - 12.5} = 74.6\%$$