

ASBC Approved Methods: Cereals - 7

Calculate weight of ash as % of sample by the formulas,

$$\text{Ash, as-is, \%} = \frac{(A-B) \times 100}{W}$$

$$\text{Ash, dry basis, \%} = \frac{\text{Ash, as is \%} \times 100}{100 - M}$$

Calculate the weight of ash

A = wt of dish + ash (g)

B = wt of dish (g)

W = wt of sample of cereal adjunct (g)

M = moisture content, % in cereal adjunct

Results

Ash, as-is, %

Ash, dry basis, %

Example:

$$\text{Ash, as-is, \%} = \frac{(35.579 - 35.543) \times 100}{5.078} = 0.71$$

$$\text{Ash, dry basis, \%} = \frac{0.71 \times 100}{100 - 11.2} = 0.80$$