

# Watridge Karst Spring - water/spring analysis

This document contains information from a [research document](#) created by the University Of Calgary, as it is the only readily available information on this spring. Because the mineral content and properties of this spring vary greatly throughout the course of the year, definite values cannot be provided, only an approximate range.

## Water mineral properties

Total dissolved solids (TDS): 100-300 ppm

PH: 7.68-7.82

Predominant cations (highest to lowest):  $\text{Ca}^{2+}$  (calcium),  $\text{Mg}^{2+}$  (magnesium)

Minor cations:  $\text{K}^+$  (potassium),  $\text{Na}^+$  (sodium)

Predominant anions (highest to lowest):  $\text{HCO}_3^-$  (bicarbonate or hydrogen carbonate),  $\text{SO}_4^{2-}$  (sulphate)

Minor anions:  $\text{F}^-$  (fluoride),  $\text{NO}_3^-$  (nitrate)

## Other water properties

Water temperature at source (°C): 2.5-4.5°