

## 1 Equações

$$f = \frac{1}{T}$$

$$v = \frac{\lambda}{T}$$

$$v = (331.3 + 0.606 \times \vartheta (\text{°C})) \text{ m s}^{-1}$$

## 2 Constantes

$$M_C = 12 \text{ g mol}^{-1}$$

$$M_N = 14 \text{ g mol}^{-1}$$

$$M_O = 16 \text{ g mol}^{-1}$$

$$M_S = 32 \text{ g mol}^{-1}$$

$$R = 8.3145 \text{ J K}^{-1} \text{ mol}^{-1}$$

### 2.1 Referência

$$p = 1.013 \times 10^5 \text{ Pa}$$

$$T = 20 \text{ °C} = 293 \text{ K}$$

## 3 Unidades

$$1 \text{ L} = 1 \text{ dm}^3$$

$$1 \text{ mol} = 6.022 \times 10^{23}$$

$$1 \text{ W} = 1 \text{ J s}^{-1}$$

$$1 \text{ Hz} = 1 \text{ s}^{-1}$$

$$0 \text{ °C} = 273.15 \text{ K}$$