DPPH radical scavenging rate (%/g DW) $=\left(\frac{1-(\mathrm{Abs}_{\mathrm{sample}}-\mathrm{Abs}_{\mathrm{error\ correction}})}{\mathrm{Abs}_{\mathrm{control}}}\right) \times 100 \times (\frac{V_{final}}{V_{test}}) \div \mathrm{W}_{\mathrm{sample}}$ (1)

Hydroxyl radical scavenging rate (%/g DW) $=\left(\frac{\mathrm{Abs}_{\mathrm{control}}-\mathrm{Abs}_{\mathrm{sample}}}{\mathrm{Abs}_{\mathrm{control}}}\right) \times 100 \times (\frac{V_{final}}{V_{test}}) \div \mathrm{W}_{\mathrm{sample}}$ (2)

Inhibition (%/g DW) $= (\frac{Abs_{control}-Abs_{sample}}{Abs_{control}-Abs_{blank}}) \times 100 \times (\frac{V_{final}}{V_{test}}) \div \mathrm{W}_{\mathrm{sample}}$ (3)