

## Squalene in Shark Oil

Scan	Sensor Number
U17-7.0a	6130007

Model: Squalene in Shark Oil, version d23590fd68244a78a4d145fe57f2f1a0

**Squalene = 7.1% w/w**

## Squalene in Shark Oil

This model measures the percentage (w/w) of squalene in shark oil, using near-infrared (NIR) spectroscopy (900nm-1700nm). The samples of shark oil used in this model had been previously analysed for squalene content by scientists at [Plant and Food Research](#), with results published in the paper [Rapid Quantitative Determination of Squalene in Shark Liver Oils by Raman and IR Spectroscopy](#). Sagitto is grateful for the support of Plant and Food Research staff, who not only provided the samples but also high quality reference data for use in the predictive model.

### Methodology

The shark oil samples (supplied in 1.5ml vials) were drawn into a quartz glass flow cell of 1mm pathlength using Sagitto's fluid sampling attachment, and spectral measurements were taken using Sagitto's miniature NIR spectrometer.

#### Disclaimer

The models used to create this prediction have been built by Sagitto Ltd using its best endeavours. As new data becomes available, new model versions may be created to improve model accuracy, and therefore results with future models may differ from those made with the current models. While Sagitto Ltd and the model owner have used their best endeavours to provide accurate predictions, neither Sagitto Ltd nor the model owner provide any guarantee of their accuracy. Sagitto Ltd and the model owner accept no liability for decisions made as a consequence of using the predictions from these models. The authenticity of this report can be verified by scanning the QR code.



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