

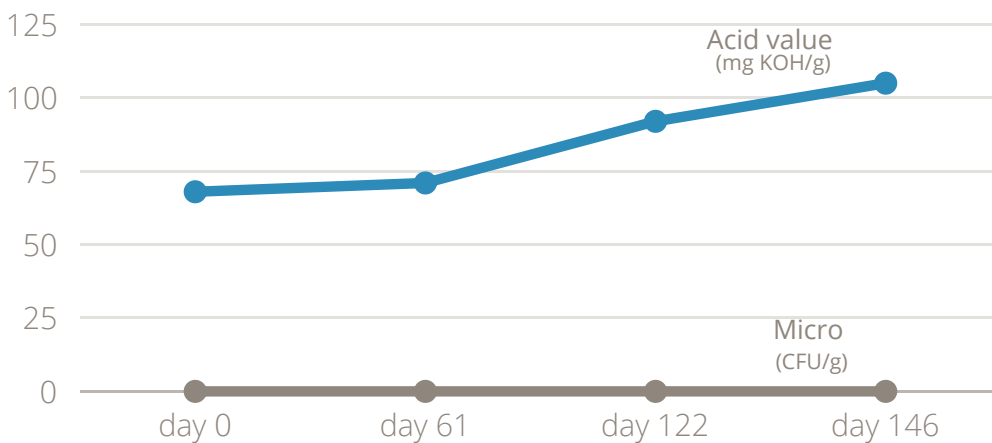
Shelf-life study

MCT KETO BARS



Product quality after 12 months

In order to assess the chemical, organoleptic and microbiological stability of our newly launched bars, a shelf-life study was performed. An accelerated test with the bars showed that we can safely state an official shelf-life of 12 months. Find more information about the study results below.



Study Setup

Product: Our chocolate flavoured MCT keto bars, flow packed straight after production

Storage conditions: 40 °C / 75% RH
Extrapolation to normal storage 10-25°C, <75% RH;

Parameters tested

- Moisture, FFA, Peroxide value
- Salmonella, L. monocytogenes, Moulds and yeasts, E.coli
- Appearance, Colour, Odour, Flavour

Time points (days)

0, 61, 122, 146

End-point (extrapolated)

12 months + 20%

Conclusions

Our full assessment showed a very stable bar, In fact only the acid value showed a slight increase over time, which did not lead to any noticeable flavour or odour changes.

Peroxide value was highly stable, as anticipated with the high saturated fatty acid content. Also, the microbiology did not show any growth during the entire shelf-life test.

We can safely state that our MCT keto bars have a minimum shelf-life of 12 months, empowering our clients to launch into different channels.