

## Fatty acid composition and metal content of *Adansonia digitata* seeds and seed oil

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**Résumé / Abstract**

*Adansonia digitata* seeds have been analyzed for their fatty acid composition and metal content. The oil content of the seeds ranged from 32.69 to 33.31%. The principal fatty acids in the oil of *A. digitata* are linoleic and oleic acids, 39.42% and 26.07% respectively 73.11% of the total fatty acids is unsaturated while 26.89% is saturated. The seeds of *A. digitata* are quite rich in potassium 173.64±15.20ppm. It also contains magnesium 11.04±2.50ppm, iron 6.70±0.11ppm and calcium 4.34±1.00ppm. It contains some little amount of copper, zinc, manganese and sodium in the range of 0.27±0.03ppm to 1.71±0.05ppm. The proximate and physico-chemical characteristics of the oil were also determined. The oil showed interesting physico-chemical properties which compare favourably with those of conventional edible oils.