NUTRITIONAL RECOMMENDATIONS FOR ENDURANCE HIKERS

SOUTH AFRICA IS HOME TO SOME MAGNIFICENT NATURE TRAILS.^{1,2,3}

OTTER TRAIL 5 DAYS 42KM.¹

AMATOLA HIKING TRAIL 6 DAYS 100KM.² Figure 2. The Amatola Trail

THE DRAKENSBURG AMPHITHEATRE HIKE 1-DAY 12KM.³ Figure 3. The Drakensburg Amphitheatre Hike







DO NOT UNDERESTIMATE THE IMPORTANCE OF ADEQUATE NUTRITION TO BUILD STRENGTH AND STAMINA THAT IS REQUIRED FOR SPENDING A LONG TIME ON YOUR FEET.⁴

THE BEST NUTRITION TO TAKE ON YOUR HIKE **OPTIMAL NUTRITION DURING A HIKE WILL:** Reduce risk of energy depletion.⁵ • Improve performance. Allow faster recovery.⁵ **CARBOHYDRATE** ation fluids FAT Avocado Chocolate Tinned sardines Macadamia nuts Essential during hiking.⁵ Tasty, satisfying, filling and a slow burning fuel.⁵ to moderate exercise intensity.⁵ TIPS **PROTEIN** Boiled egg Seeds & nuts Hard cheeses Biltong Have a variety of foods available to prevent flavour fatigue Serves as an energy substrate during activity and maximises muscle protein synthesis.⁵ Protein provides strength, stamina, healing, and repair.⁵ 20g protein every 3-4 hours.⁵ **AVOID OVER-HYDRATING.** HYDRATE REGULAR an accredited sports dietician.4 Dehydration increases the body temperature and heart rate, increasing the perception of fatigue.⁴

AND PLANNED FOOD AND FLUID PERFORM YOUR BEST.

To find a registered sports



- 1. Boshoff, W. (2017). The Otter Trail. Hiking South Africa. https://www.hikingsouthafrica.co.za/the-otter-trail,
- 2. van der Heever, A. (2017). Amatola Hiking Trail. Hiking South Africa. https://www.hikingsouthafrica.co.za/amatola-hiking-trail/
- 3. Allen, K. (2020). Day Hike, Hiking south Africa. https://www.hikingsouthafrica.co.za/video-hiking-the-amphitheatre/
- 4. Sports Dietitians Australia. (2016). Fact Sheet: Food For Your Sport Distance Walking, Links to an external site. Retrieved from https://www.sportsdietitians.com.au/factsheets/food-for-your-sport/distance-walking/
- 5. Williamson, E. (2016). Nutritional implications for ultra-endurance walking and running events. Extreme Physiology & Medicine, 5 https://doi.org/10.1186/s13728-016-0054-0

- Endurance training enhances athletes capacity for fat oxidation and fat oxidation contributes to energy expenditure during low
- Understand your individual sweat losses and hydration needs by developing an individualised hydration plan with

AN ACCREDITED SPORTS DIETICIAN CAN ASSIST WITH AN INDIVIDUALISED STRATEGY THAT WILL HELP YOU TO

dietician near you contact the **Association For Dietetics in South** Africa www.adsa.org.za