

Process & Chemical Consultants

Specialists in Water & Waste Water Treatment

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16/1195; 1701; 1925 & 2635-17/215
NvB/SP

10 May 2017

DARRIN & CAMILLA MORRISBY
KURO-Bō (PTY) Ltd
3 Gardenia Lane
Nova Constantia
Cape Town
7806

Dear Sir/Madam,

KURO-Bō – RESEARCH

KURO-Bō Activated Charcoal is a stick of natural activated charcoal. It is made by baking a hardwood in a kiln, slowly at first and then at extremely high temperatures with restricted oxygen. This allows carbon to be captured in the wood, a process called pyrolysis. Through this process the carbonised wood also becomes "activated", meaning that the surface area of the micro porous wood is enlarged allowing for increased toxin adsorption at the molecular level.

A.L. Abbott and Associates (PTY) Ltd (Reg .No.1982/004379/07), a specialist in Water & Waste Water Treatment based in Cape Town, conducted a series of studies on KURO-Bō Activated Charcoal from March - July 2016 exploring the efficacy of specific chemical and metal removal, mineralisation and the balancing of pH. Report reference 16/1195; 1701; 1925 & 2635.

When tap water was spiked with 1.0 mg/l of different chemicals and metals, KURO-Bō Activated Charcoal was found to be effective at:

- 1. significantly reducing levels of chlorine, lead, mercury, copper, aluminium, manganese and iron.*
- 2. increasing levels of two bioavailable minerals, Calcium and Magnesium.*
- 3. having an alkaline effect on tap water, therefore balancing pH.*

In a further test in January 2017, KURO-Bō Activated Charcoal was found to remove 100% of E. coli from contaminated tap water containing 99 CFU per 100ml in 60 minutes.

Although KURO-Bō Activated Charcoal starts working immediately, as is already recommended in general for the use of activated charcoal as a water filter, KURO-Bō Activated Charcoal should ideally be in contact with the tap water for 6-8 hours, or overnight.

Yours faithfully,


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N. VAN BINSBERGEN Pr.Sci.Nat.
DIRECTOR