

Table 2: Analytical results for activated carbon (2015 samples)

Sample	Molasses N°	Apparent Density (g/cm ³)	Mean Particle Diameter (mm)
Column 1	183	0.658	0.79
Column 2	189	0.657	0.80
Column 3	204	0.596	0.90
Column 4	185	0.671	0.62
Column 5	203	0.620	0.85
Column 6	191	0.630	0.86
Virgin CANECAL ®	230	0.480-0.500	0.9-1.1

These results tie closely with the age of the carbon, as columns one, two and four were due for replacement or top-up at the time of sampling.

Conclusions

The GAC plant at Nchalo continues to produce good quality sugar after 15 years of operation in spite of high inlet colours. It is clear that the performance of the plant is dependent on good operating practice and adequate level of top-up virgin activated carbon.

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