

Arsenic Removal Effectiveness of the *Kanchan*TM Arsenic Filter

The table below shows the arsenic monitoring results of 966 KAF in Nepal. Monitoring was performed in February 2004 to April 2004. Arsenic concentrations of the influent (tube well water) and the effluent (filtered water) was measured using a Nepali-made ENPHO Arsenic Test Kit, and verified using Atomic Absorption Spectrometry instrument in the ENPHO Laboratory, Nepal.

Figures in the table indicate the number of filters. Green shading indicates the filtered water met the Nepali interim guideline of 50 ug/L. Yellow shading indicates the filtered water exceeded the Nepali interim guideline.

It was later found that many of the “unsatisfactory” filters were either installed incorrectly or maintained improperly. Therefore filter quality assurance and control and adequate user training are very important to ensure safe water quality.

[illegible]