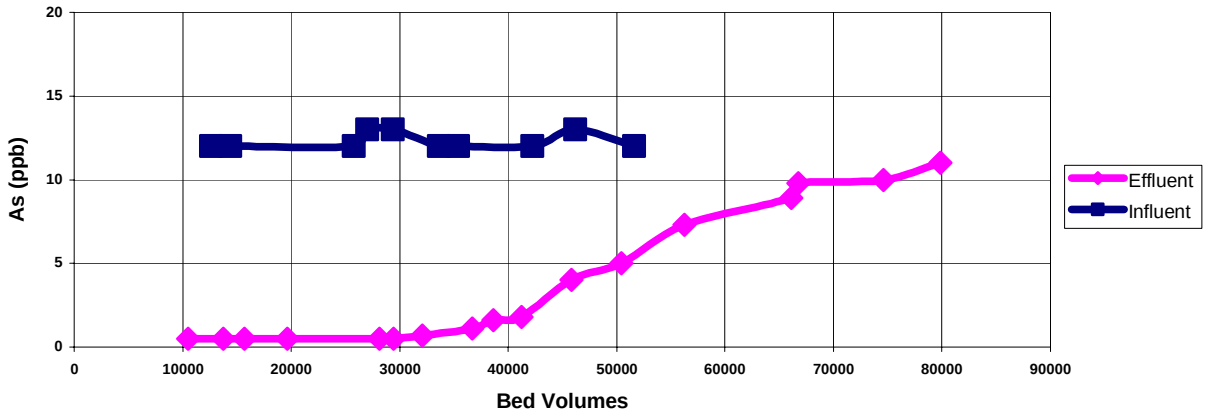
ArsenX^{np} is an ANSI/NSF 61 certified, iron oxide based media that utilizes nanotechnology to modify the surface chemistry to produce a sorbent media with exceptional affinity and capacity for arsenic – both arsenate and arsenite.

ArsenX^{np} is built on a traditional ion exchange resin matrix with the following advantages:

- Operates at conventional well head pressures (up to 120 psi)
- **ArsenX^{np}** beads have superior crush strength
- **ArsenX^{np}** product handles like conventional ion exchange resins
- No fines generation during service or regeneration cycles (see photo page 2)
- No need to backwash **ArsenX^{np}** during service due to pressure drop concerns
- **ArsenX^{np}** offers minimal pressure drop through resin bed
- Spherical beads facilitates "plug-flow" through the media
- High columnar efficiencies and loading
- Minimal labor needed for operation or change-outs due to very high capacity
- Ideal for municipal systems and for residential POE & POU devices
- Currently 12 **ArsenX^{np}** pilot plants in operation at municipal and bottled water sites
- Cost effective treatment

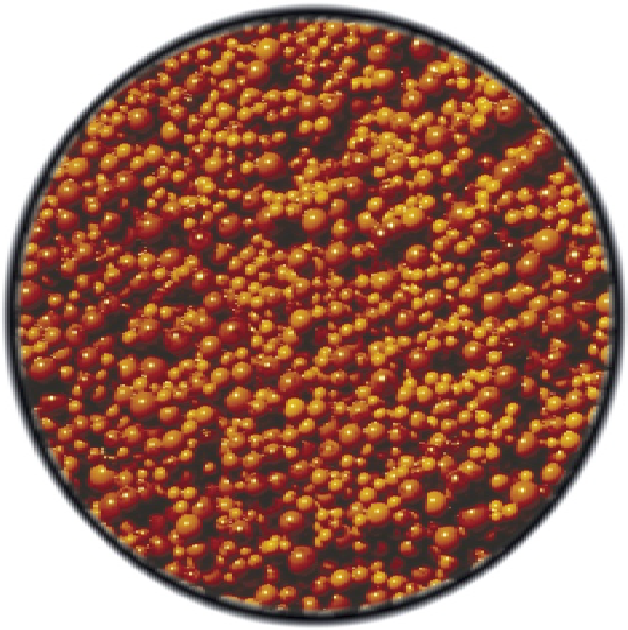
Arizona Well Water



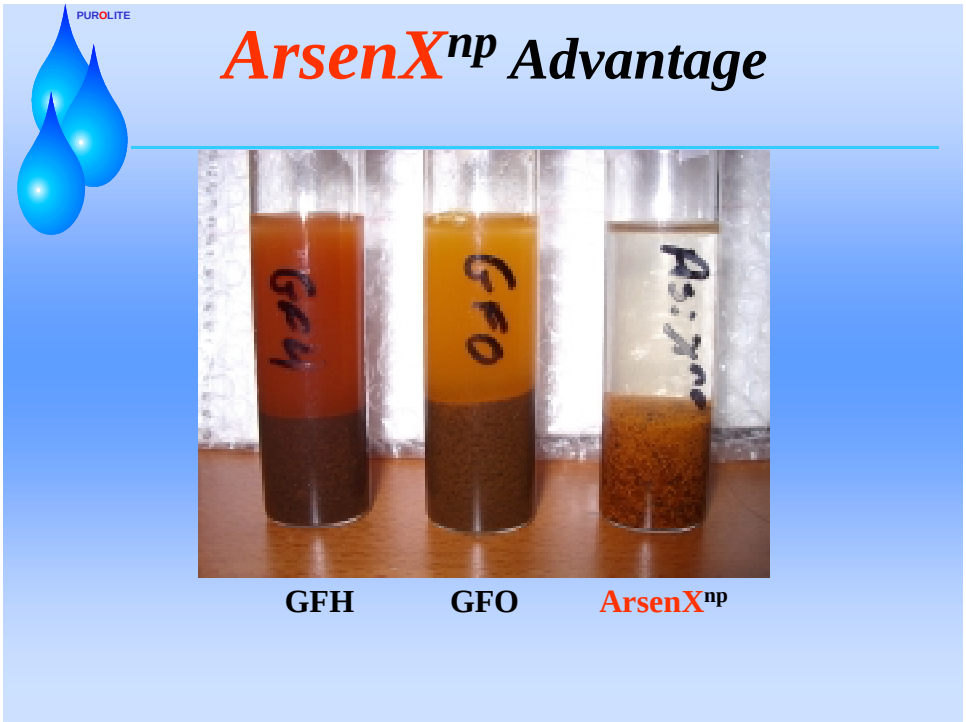
ArsenX^{np,} developed by SolmeteX, Inc. is manufactured and distributed by Purolite, Inc.

The Purolite Company, Division of Bro-Tech Corporation, 150 Monument Road, Bala Cynwyd, PA 19004
800-343-1500 610-668-9090 Fax 610-668-8139 e-mail: info@puroliteUSA.com website: www.puroliteUSA.com

PUROLITE®
ION EXCHANGE RESINS



Close-up of iron-impregnated resin beads



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