



Graver Technologies

Filtration

Separation

Purification

Technical Reference

## METSORB™ ARSENIC ADSORBENT SYSTEMS

### LIST OF QUALIFICATIONS

1. NEW JERSEY CORPORATION FOR ADVANCED TECHNOLOGIES (NJCAT) – TECHNOLOGY VERIFICATION AND CERTIFICATION REPORT, January, 2007
  - a. Metsorb Technical Performance Validated by Independent Testing
  - b. The Only Arsenic Adsorbent Media to be Tested and Validated in NEW JERSEY by the NJCAT AND NJDEP.
2. American Water Works Research Foundation (AWWARF) and EPA Arsenic Research Partnership Report on “ADSORBENT TREATMENT TECHNOLOGIES for ARSENIC REMOVAL”, 2005
  - a. Performance Comparison of METSORB, Granular Ferric Oxide (GFO) Bayoxide E33 (Bayer Product), GFH, and AA-FS50.
  - b. Metsorb outperformed Bayoxide E33 in NSF Challenge Water (50 µg/l Arsenic +5) at pH of 7.5
  - c. REPORT CONCLUSION – Metsorb Maintains Best Performance For Arsenic Removal, Specifically in the Presence Of Competing Ions.
3. American Water Works Research Foundation (AWWARF) and ARSENIC Water Technology Partnership Report on “Arsenic Removal with Agglomerated Nanoparticle Media”, 2006
  - a. Increased Arsenic Selectivity of Metsorb over traditional Iron based products
  - b. Improved Kinetics of Arsenic Uptake allows faster arsenic adsorption and reduced Empty Bed Contact Times (EBCT).
4. Arsenic Water Technology Partnership – “ Evaluation of Innovative Arsenic Treatment Technologies” Summary Report, September, 2006
  - a. Ranked Metsorb as one of the Three (3) best adsorbent media for arsenic removal.
  - b. Bayer GFO ranked number Eleven (11)
5. NSF International – METSORB™ Official Listing Standard 61, June 21, 2007.
  - a. Certified for Drinking Water Treatment Plan Applications.
  - b. Certification Available Upon Request