

De Nora SORB 33[®]A

High Performance Arsenic Removal Media

De Nora SORB 33[®]A is a proprietary iron-based adsorbent with high selectivity and capacity for arsenic. The media can comfortably remove arsenic to < 4 ppb, and it has been shown to have up to three times the arsenic loading capacity over similar commercial medias on the market. This results in significant OPEX savings and is ideal for infrequently visited or remote treatment facilities.



Features and Benefits

- Removes arsenic to < 4 ppb
- NSF/ANSI 61 certified
- High performance media provides up to three times longer media life than similar commercial medias
- Easily retrofits existing iron-based adsorptive media systems
- No regeneration chemicals required
- Backed up by De Nora knowledge and experience

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Product Specifications

Chemical Composition	Fe ₂ O ₃ /FeOOH	
Appearance	Granular	
Operating pH Range	5.5 - 9.0	
Particle Size Distribution	10 x 70 mesh	200-2000 µm
Specific Surface Area	> 140 m ² /g	
Maximum Operating Temperature	140°F	60°C

Directions for Use

- Store in a dry place and avoid large changes in temperature until ready for use
- Media can be transferred to vessels via gravity or hydraulic eductor
- Media height: > 32" (800 mm)
- Minimum vessel freeboard: 50% of the media height
- Linear velocity: < 6 gpm/ft² (13.6 m/h)
- Contact time (minimum): 3 minutes
- Backwash flow rate: < 10.5 gpm/ft² (< 26 m/h)
- Backwash duration: until effluent is clear

Media life expectancy is dependent on water chemistry and system utilization, contact De Nora for a media run rate estimate.



WATER MADE EASY

MARINE

ENERGY

MUNICIPAL

INDUSTRIAL



DE NORA
our research - your future

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