

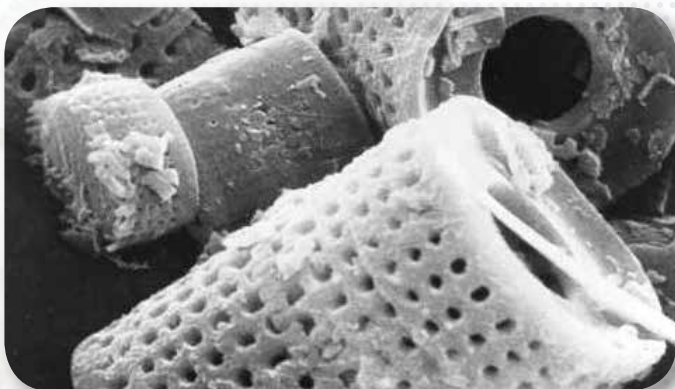


HIGH PURITY FILTER MEDIA

PurifiDE® Diatomaceous Earth (DE) filter media are recommended for use in clarifying liquids which can be negatively impacted by contamination with even very low levels of extractable elements.

PurifiDE media are made from carefully selected diatomaceous earth ores which are mined, calcined, and further purified by leaching with proprietary processes to reduce leachable elements to trace levels.

PurifiDE filter media are produced according to ISO 9001 quality standards, and meet, or exceed, the USP40-NF35 standard for Purified Siliceous Earth.



Diatoms Magnified 1090 Times

PurifiDE filter media are suitable for use with filter press filters, rotary vacuum drum, and pressure leaf filters.

TYPICAL APPLICATIONS INCLUDE:

- Plasma fractionation
- Clarification of cell culture supernatants, and fermentation broths
- Purification of delicate oils sensitive to oxidization
- Filtration of cell culture media components, including peptides and peptones
- Distilled beverage filtration
 - Whiskey and bourbon
 - Sake
 - Green tea

EP Minerals supplies PurifiDE media in the permeability ranges of: AW-3, 150–300 milli-Darcy (mD); and AW-12, 900–1200 mD.

Contact EP Minerals for custom PurifiDE filter media with other permeability ranges and specifications.

Typical Data for PurifiDE vs. Celatom Grades	PurifiDE AW-12	Celatom FW-12	PurifiDE AW-3	Celatom FP-3
Acid Soluble Substances (%)	0.08	0.8	0.2	0.6
Water Soluble Substances (%)	0.04	0.18	0.2	0.6
Acid Soluble Arsenic (ppm)	0.13	1.8	0.05	2
Soluble Iron (ppm, EBC test method)	8	45	8	48
Permeability (milli-Darcy)	1000	1000	175	195
Centrifuge Wet Density (lbs./ft ³)	23	21	26	24