

Method Summary:

Ion Chromatography utilizes ion exchange to separate and identify anions and cations

Test Standard:

Method adapted from EPA Test Method 300.0; EPA-600/4-84-017, ASTM E 180

Test Method and Results:

Dionex DX-500 Ion Chromatography

The Gel polymer material utilized in AD, BD, CD, PF, WF and VR products was analyzed by Ion Chromatography. The following are the measured results for the various anions and cations:

| Sample | Na ⁺ | NH ₄ ⁺ | K ⁺ | Cl ⁻ | NO ₃ ⁻ | SO ₄ ²⁻ |
|--------|-----------------|------------------------------|----------------|-----------------|------------------------------|-------------------------------|
| Gel | 0.4050 ppm | 0.1660 ppm | Not Detected | 2.3720 ppm | 2.1203 ppm | 0.5536 ppm |

* ppm = parts per million

* Reportable Detection Limit = 0.20 ppm

Results Summary:

Ion Chromatography was used to identify the following anions and cations in the Gel material: sodium, ammonium, chloride, nitrate, and sulfate. No potassium was detected.