



Graver Technologies

Product Specification

GRAVEX[®] GR-1-9 NG Nuclear Grade Hydroxide

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| Spec No. | GTS-19-NG |
| Rev No. | 4 |
| Date | July 21, 2017 |

Properties

Limits

| | | |
|-------------------------|--|-------|
| Resin Type | Strongly Basic Type 1 Gel Anion Exchange Resin | |
| Functionality | Quaternary Ammonium | |
| Matrix | Styrene Divinylbenzene | |
| Total Exchange Capacity | 1.1 meq/mL | (min) |
| Ionic Conversion | 97% Hydroxide | (min) |
| | 0.1% Chloride | (max) |
| | 0.1% Sulfate | (max) |
| Particle Size | 2% plus 16 mesh (~1,190 µm) | (max) |
| | 5% minus 40 mesh (~420 µm) | (max) |
| | 0.5% minus 50 mesh (~300 µm) | (max) |
| Friability | 350 g/bead avg | (min) |
| | 5% < 200 g/bead | (max) |
| Whole Uncracked Bead | 95% | (min) |
| Metals (mg/dry kg) | | |
| Aluminum | 40 | (max) |
| Calcium | 50 | (max) |
| Copper | 10 | (max) |
| Iron | 50 | (max) |
| Lead | 10 | (max) |
| Magnesium | 50 | (max) |
| Potassium | 50 | (max) |
| Sodium | 20 | (max) |
| Zinc | 50 | (max) |