

Cesium Chloride  
Ultrapure Bioreagent  
For Density Gradient Centrifugation



Material No.: 4042-02  
Batch No.: 0000168745  
Manufactured Date: 2016/08/10  
Retest Date: 2021/08/09

## Certificate of Analysis

| Test  | Specification   | Result  |
|---|-----------------|---------|
| Assay (as CsCl)   | $\geq 99.9\%$   | 100.0   |
| Absorbance of 50% w/v Aqueous Solution at 260 nm<br>(1-cm path) | $\leq 0.020$    | 0.003   |
| RNase Activity  | Passes Test     | PT      |
| DNase Activity (None Detected)                                  | Passes Test     | PT      |
| Protease Activity   | Passes Test     | PT      |
| ACS - Sulfate (SO <sub>4</sub> )                                | $\leq 5$ ppm    | $< 5$   |
| Trace Impurities - Aluminum (Al)                                | $\leq 10.0$ ppm | $< 0.2$ |
| Trace Impurities - Barium (Ba)                                  | $\leq 5.0$ ppm  | $< 0.2$ |
| Trace Impurities - Calcium (Ca)                                 | $\leq 10.0$ ppm | $< 0.1$ |
| Trace Impurities - Chromium (Cr)                                | $\leq 5.0$ ppm  | $< 0.2$ |
| Trace Impurities - Copper (Cu)                                  | $\leq 3.0$ ppm  | $< 0.1$ |
| Trace Impurities - Iron (Fe)                                    | $\leq 2.0$ ppm  | $< 0.2$ |
| Trace Impurities - Lead (Pb)                                    | $\leq 5.0$ ppm  | $< 0.2$ |
| Trace Impurities - Lithium (Li)                                 | $\leq 5.0$ ppm  | $< 1.0$ |
| Trace Impurities - Magnesium (Mg)                               | $\leq 3.0$ ppm  | 0.3     |
| Trace Impurities - Manganese (Mn)                               | $\leq 5.0$ ppm  | $< 0.1$ |
| Trace Impurities - Potassium (K)                                | ppm             | 0.6     |
| Trace Impurities - Rubidium (Rb)                                | $\leq 10.0$ ppm | $< 1.3$ |
| Trace Impurities - Sodium (Na)                                  | ppm             | 3.0     |
| Trace Impurities - Strontium (Sr)                               | $\leq 5.0$ ppm  | $< 0.2$ |

For Laboratory, Research or Manufacturing Use

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Country of Origin: DE

ISO

Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000  
Paris, KY 9001:2008  
Mexico City, Mexico 9001:2008  
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003  
Gliwice, Poland 9001:2008, 13485:2012  
Selangor, Malaysia 9001:2008  
Dehradun, India, 9001:2008, 14001:2004, 13485:2003  
Mumbai, India, 9001:2008  
Panoli, India 9001:2008

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