



# Potassium Chloride, Crystal

BAKER ANALYZED<sup>®</sup> A.C.S. Reagent

Product No. 3040

Lot No. L11625

Release Date 03/20/2012

## Certificate of Analysis

| TEST                                                       | SPECIFICATION  | RESULT      |
|------------------------------------------------------------|----------------|-------------|
| Meets A.C.S. Specifications                                |                |             |
| Meets Reagent Specifications for testing USP/NF monographs |                |             |
| Assay (KCl) (by Ag titrn)                                  | 99.0 - 100.5 % | 100.2 %     |
| Loss on Drying at 105°C                                    | 1.0 % max.     | 0.01 %      |
| Insoluble Matter                                           | 0.005 % max.   | 0.0016 %    |
| pH of 5% Solution at 25°C                                  | 5.4 - 8.6      | 5.7         |
| Iodide (I)                                                 | 0.002 % max.   | < 0.002 %   |
| Bromide (Br)                                               | 0.01 % max.    | < 0.01 %    |
| Calcium (Ca)                                               | 0.002 % max.   | < 0.002 %   |
| Chlorate and Nitrate (as NO <sub>3</sub> )                 | 0.003 % max.   | < 0.003 %   |
| Magnesium (Mg)                                             | 0.001 % max.   | < 0.001 %   |
| Nitrogen Compounds (as N)                                  | 0.001 % max.   | < 0.001 %   |
| Sulfate (SO <sub>4</sub> )                                 | 0.001 % max.   | < 0.001 %   |
| Barium (Ba)                                                | Passes Test    | Passes Test |
| Sodium (Na)(by FES)                                        | 0.005 % max.   | < 0.005 %   |
| <b>Trace Impurities (in ppm):</b>                          |                |             |
| Phosphate (PO <sub>4</sub> )                               | 5 max.         | < 5         |
| Heavy Metals (as Pb)                                       | 5 max.         | < 5         |
| Arsenic (As)                                               | 1 max.         | < 1         |
| Iron (Fe)                                                  | 2 max.         | < 2         |
| Nickel (Ni)                                                | 1 max.         | < 1         |
| For Laboratory, Research or Manufacturing Use              |                |             |
| Country of Origin: USA                                     |                |             |



Phillipsburg, NJ 9001.2008, 14001.2004  
 Paris, KY 9001.2008  
 Mexico City, Mexico 9001.2008  
 Deventer, The Netherlands 9001.2008, 14001.2004, 13485.2003  
 Selangor, Malaysia 9001.2008  
 Panaji, India 9001.2008  
 Gliwice, Poland 9001.2008, 17025.2005

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For questions on this Certificate of Analysis please contact Technical Services at 855-282-6867 or 610-573-2600

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