

## Certificate of Analysis

**Product Description:** Potassium Chloride, ACS\_  
**Catalog Number:** 191427\_  
**Lot:** Q9978\_

**Formula:** KCl  
**CAS #:** 7447-40-7  
**Physical Description:** White Crystalline Powder

**Formula Weight:** 74.55  
**Storage:** desiccate, 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Assay	99.0 - 100.5%	99.54%
pH (5% aq soln)	5.4 - 8.6	6.58
Insoluble Matter	#0.005%	0.004%
Iodide	#0.002%	<0.002%
Bromide	#0.01%	<0.01%
Chlorate and Nitrate	#0.003%	<0.003%
Phosphate	#5 ppm	<5 ppm
Sulfate	#0.001%	<0.001%
Barium	Passes	Passes
Heavy Metals (as Pb)	#5 ppm	<5 ppm
Iron	#3 ppm	<3 ppm
Calcium	#0.002%	0.0003%
Magnesium	#0.001%	0.0002%
Sodium	#0.005%	0.0030%

Loss on drying: 0.81%  
Organic Volatile Impurities: Passes test  
Acidity or alkalinity: Passes

Residual Solvent: Solvent (other than water) was not used during production or purification process of the product  
Recommended Retest Date: 10/31/2020

09/11/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

A large, stylized handwritten signature in black ink that reads "J Huang". The signature is written in a cursive, flowing style with a long, sweeping tail on the letter "g".

This is an electronically generated document  
<mailto:biotech@mpbio.com>  
<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site  
Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)