



Certificate of Analysis

Potassium Carbonate Anhydrous ACS/USP

Catalog Number: PC1001
Lot Number: 0706702
CAS Number: 584-08-7
Molecular Formula: K_2CO_3
Molecular Weight: 138.21
Storage: 15°C – 30°C
Date of Manufacture: December 28, 2016
Retest Date: December 27, 2021

Test	Specification	Result
Appearance	White granular powder	Conforms
Assay	99.5% - 100.5%	100.3%
Identification	To pass test	Conforms
Insoluble Matter	$\leq 0.01\%$	0.003%
Chloride (Cl)	$\leq 0.003\%$	$< 0.003\%$
Phosphate (PO_4)	$\leq 0.001\%$	$< 0.001\%$
Silica (SiO_2)	$\leq 0.005\%$	$< 0.005\%$
Sulfur Compounds (as SO_4)	$\leq 0.004\%$	$< 0.004\%$
Heavy Metals (as Pb)	$\leq 5\text{ppm}$	$< 5\text{ppm}$
Iron (Fe)	$\leq 5\text{ppm}$	$< 5\text{ppm}$
Calcium (Ca)	$\leq 0.005\%$	0.0005%
Magnesium (Mg)	$\leq 0.002\%$	0.0003%
Sodium (Na)	$\leq 0.02\%$	0.0052%
Loss on Drying	$\leq 0.5\%$	0.25%
Insoluble Substances	Complete, clear & colorless	Conforms
Residual Solvents: Purified water was the only solvent used during the production process of the product.		

Approved by:

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Date: July 6, 2017