

# SYSTEM

## Certificate Of Analysis

PRODUCT NAME : Potassium Carbonate, *ChemAR*®  
CATALOGUE NUMBER : ME170-20  
FORMULA :  $K_2CO_3$   
MOLECULAR WEIGHT : 138.21  
CAS. NUMBER : [584-08-7]  
BATCH NO. : 170103KREU  
EXPIRY DATE : Jan./2021

	<u>Specification</u>	<u>Batch Value</u>
Assay(acidimetry)	min.99.5 %	99.85 %
Water insoluble matter	max.0.001 %	<0.001 %
Calcium, magnesium precipitated substances	max.0.01 %	<0.01 %
Substances precipitated by ammonia	max.0.01 %	<0.01 %
Chloride(Cl)	max.0.002 %	<0.002 %
Phosphate( $PO_4$ )	max.0.001 %	<0.001 %
Nitrogen compound(N)	max.0.001 %	<0.001 %
Silicate(as $SiO_2$ )	max.0.004 %	<0.004 %
Total sulfur(as $SO_4$ )	max.0.003 %	<0.003 %
Heavy metals(as Pb)	max.0.0005 %	<0.0005 %
Aluminium(Al)	max.0.001 %	<0.001 %
Arsenic(As)	max.0.0001 %	<0.0001 %
Calcium(Ca)	max.0.002 %	<0.002 %
Copper(Cu)	max.0.0002 %	<0.0002 %
Iron(Fe)	max.0.0005 %	<0.0001 %
Magnesium(Mg)	max.0.001 %	<0.001 %
Sodium(Na)	max.0.02 %	<0.02 %
Loss on drying(300°C)	max.1.0 %	<1.0 %

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