



## Specification Potassium Carbonate - 25kg Bag

The following specification is the latest revision (as at 01 Jul 2021) and supersedes all previous specifications for this product code.

Specification Details					
<b>Product Code</b>	POCARB4000	<b>CAS Number</b>	584-08-7	<b>Shelf Life</b>	365 Day
<b>Product</b>	Potassium Carbonate - 25kg Bag				
<b>Pack Size</b>	25 kg net Bags				
<b>Customer Name</b>	Alpha Chemicals Pty Ltd				
<b>Revision</b>	18 (on 1/10/2019)	<b>Std. Compliance</b>	FCC11, FAIA E501(i)		
<b>Authorised By</b>	Damien Barrett Quality Assurance Manager	<b>Notes</b>	Updated conformance statement to FCC11		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Appearance: white granule				
Chemical formula: K <sub>2</sub> CO <sub>3</sub>				
Molecular Weight: 138.2				
Identification: Carbonate		Passes Test		FCC
Identification: Potassium		Passes Test		FCC
Total alkali as K <sub>2</sub> CO <sub>3</sub> , on dried basis	%	99.85	99.5 - 100.5	
Chloride, as KCl	%	0.005	Max 0.01	
Iron as Fe	%	0.0001	Max 0.0003	
Potassium hydroxide, KOH	%	0.19	Max 0.2	
Sodium as Na <sub>2</sub> CO <sub>3</sub>	%	0.27	Max 1.2	
Sulphate as K <sub>2</sub> SO <sub>4</sub>	%	0.002	Max 0.02	
Ignition loss, 4 hrs @ 180 deg C	%	0.06	Max 0.6	
Arsenic as As	ppm	Trace	Max 0.1	
Heavy metals, as Pb	%	0.0002	Max 0.0005	
Water Insoluble	%	0.0005	Max 0.0005	
KClO <sub>3</sub>	%	0.004	Max 0.03	
Ni	ppm	trace	Max 2	
Cd	ppm	0.01	Max 1	
Hg	ppm	0.01	Max 1	
Lead, Pb	ppm	0.01	Max 2	
Over 16 mesh, 1.19mm	%	0.0	nil	
Over 20 mesh, 0.84mm	%	0.0	Max 5.0	
Between 20-40 mesh	%	61.1		
Between 40-80 mesh	%	38.6		
Between 80-100 mesh	%	0.2		
Under 100 mesh	%	0.1	Max 2.0	
Conforms to FCC11, FAIA E501(i)			Conforms	

Redox Pty Ltd  
Corporate Office Sydney  
Locked Bag 15 Minto NSW 2566 Australia  
2 Swettenham Road Minto NSW 2566 Australia  
All Deliveries: 4 Holmes Road Minto NSW 2566 Australia

Phone +61 2 9733 3000  
Fax +61 2 9733 3111  
E-mail [sydney@redox.com](mailto:sydney@redox.com)  
Web [www.redox.com](http://www.redox.com)  
ABN 92 000 762 345

Australia Adelaide Brisbane Melbourne Perth Sydney  
New Zealand Auckland Christchurch Hawke's Bay  
Malaysia Kuala Lumpur  
USA Los Angeles



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