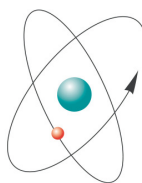


**RESOURCE CHEMICAL LTD**

RESOURCE HOUSE, HIGH STREET, BRACKLEY, NORTHANTS, NN13 7DS,  
 TEL: +44(0)1280 843800  
 FAX: +44(0)1280 701745

**RESOURCE**

Web page: [www.resourcechemical.co.uk](http://www.resourcechemical.co.uk)  
 E-mail: [sales@resourcechemical.ltd.uk](mailto:sales@resourcechemical.ltd.uk)

**MATERIAL SPECIFICATION**

**Product Name:** Potassium Carbonate 99.5% Fine Powder  
**Product Code:** 7577  
**CAS No.:** 584-08-7  
**EINECS No.:** 209-529-3

Property	Unit	Specification	Typical Value	Test Method	Comments	CoA
Alkalinity as K <sub>2</sub> CO <sub>3</sub>	wt%	99.5 min.		QSE MO 1157		*
Na <sub>2</sub> CO <sub>3</sub>	wt%	0.2 max.	0.1	QSE MO 1274		*
Chlorides	mg/kg	30 max.	25	QSE MO 1038	(1)	*
Sulphates	mg/kg	30 max.	< 10	QSE MO 1164	(1)	*
Iron	mg/kg	3 max.	< 1	QSE MO 1034	(1)	*
Heavy Metals as Pb	mg/kg	5 max.	2	QSE MO 1158	(1)	*
Solution Appearance				QSE MO 0032	Clear (50% w/v in water) (1)	*
Particle Size	%	2 max.		QSE MO 0191	Retained on 250 µm sieve (1)	*

An asterisk (\*) in the CoA column indicates that this property has to be reported on the Certificate of Analysis.

The properties denoted with "(1)" are not determined on each individual lot. These limit values are determined and guaranteed on statistical process.

The above information has been provided by the supplier and Resource Chemical Ltd accepts no responsibility for the correctness of any details.

Revision No.: 1  
 Specification Date: 02.07.15  
 RCL Review Date: 21.08.15

TYPICAL VALUES				
Property	Unit	Typical Value	Test Method	Comments
Aluminium	mg/kg	<1		(1)
Antimony	mg/kg	<0.1		(1)
Arsenic	mg/kg	<0.1	QSE MO 1237	(1)
Bismuth	mg/kg	<0.1		(1)
Calcium	mg/kg	<5		(1)
Cadmium	mg/kg	<0.05	QSE MO 1034	(1)
Chromium	mg/kg	<0.05		(1)
Cobalt	mg/kg	<0.1		(1)
Copper	mg/kg	<0.05		(1)
Fluoride	mg/kg	<1		(1)
Lead	mg/kg	<0.5	QSE MO 1237	(1)
Magnesium	mg/kg	<1		(1)
Manganese	mg/kg	<0.01		(1)
Mercury	µg/kg	1	QSE MO 1267	(1)
Molybdene	mg/kg	<0.1		(1)
Nickel	mg/kg	<0.1		(1)
Phosphate as PO4	mg/kg	<1.5		(1)
Silica	mg/kg	2		(1)
Total Nitrogen	mg/kg	<5		(1)
Vanadium	mg/kg	<0.02		(1)
Zinc	mg/kg	<0.05		(1)
Strontium	mg/kg	0.1		(1)
KOH	%	<0.5		(1)
KHCO3	%	<1		(1)
Grain size	µm	90% : 36 10% : 3 50% : 15		(1)
Bulk density compacted	g/cm <sup>3</sup>	0.85		(1)
Loss on drying	%	0.3		(at the date of production) (1)

The properties denoted with "(1)" are not determined on each individual lot. These limit values are determined and guaranteed on statistical process.

The above information has been provided by the supplier and Resource Chemical Ltd accepts no responsibility for the correctness of any details.

Revision No.: 1  
Specification Date: 02.07.15  
RCL Review Date: 21.08.15

**Food Chemicals Codex:** this product conforms to the criteria of purity of Food Chemicals Codex version 8.

**Food Additives:** this product conforms to the purity criteria indicated below of food additives, European Regulation no. 231/2012.

Potassium Carbonate (K <sub>2</sub> CO <sub>3</sub> )	>99.0 %
Loss on drying (180°C-4 hours)	<5 % (anhydrous basis)
Arsenic (As)	<3 ppm
Lead (Pb)	<2 ppm
Mercury (Hg)	<1 ppm

**European Pharmacopeia:** 8e Edition: this product conforms to the purity criteria indicated below:

Assay	>99 %
Heavy Metals	<20 ppm
Chloride	<100 ppm
Sulphate	<100 ppm
Calcium	<100 ppm
Iron	<10 ppm
Loss on drying (0.3g K <sub>2</sub> CO <sub>3</sub> 5h 120-125°C)	<5 %

**US Pharmacopeia:** Meets test requirements indicated in the Pharmacopeia USP 31 - NF 26

**GMO:** Free from Genetically Modified Organism and does not come in to contact with Genetically Modified Organism during manufacturing and handling. Therefore this product does not require GM-labelling (1829/2003/EC, 2001/18/EC and its amendments including 1830/2003/EC).

**TSE/BSE:** Free from Bovine Spongiform Encephalopathy (BSE) and Transmissible Spongiform Encephalopathy (TSE) agents, not of animal origin. Therefore this product is not affected by the Guidance on Minimising the Risk of Transmitting Animal Spongiform Encephalopathy Agents via Human and Veterinary Medicinal Products (EMEA/410/01 rev 2) and by the regulation EC no. 999/2001 of the European parliament and of the council.

**Allergenic Ingredients:** Free from any potential allergenic ingredients listed in Annex III to 2003/89/EC.

**Halal:** May be used in the Halal food industry.

**Kosher:** May be used in the Kosher food industry.

**REACH and CLP:** Product conforms to REACH (1907/2006/EC Regulation on Registration, Evaluation, Authorisation and Restriction of Chemical substances) and CLP (1272/2008/EC Regulation on Classification Labelling and Packaging of substances and mixtures).

The above information has been provided by the supplier and Resource Chemical Ltd accepts no responsibility for the correctness of any details.

Revision No.: 1  
Specification Date: 02.07.15  
RCL Review Date: 21.08.15

**Solvent:** The solvents listed in the Guideline "Note for guidance on impurities; residual solvents" (CMPM/ICH/283/95, EMEA) are not employed in the manufacture of the product. The product complies with Guideline CMPM/ICH/283/95.

**SVCH:** Does not contain any substance from SVCH list (European Chemical Agency, Candidate List of Substances of Very High Concern, December 19<sup>th</sup> 2012).

**Ecolabel:** Commission Decision of 24<sup>th</sup> June 2011 on establishing the ecological criteria for the award of the EU Ecolabel for all-purpose cleaners and sanitary cleaners.

The product is free from substances below:

APEO and derivatives - EDTA - 5-Bromo-5-nitro-1,3-dioxane - 2-Bromo-2-nitropropane-1,3-diol -

Diazolinidylurea - Formaldehyde - Sodium hydroxyl methyl glycinate - Nitromusks and polycyclic musks

- HHCB - AHTN - Quaternary ammonium salts.

This product conforms to the criteria 3a, 3b, 3c, 3d, 3e.

The above information has been provided by the supplier and Resource Chemical Ltd accepts no responsibility for the correctness of any details.

Revision No.: 1  
Specification Date: 02.07.15  
RCL Review Date: 21.08.15