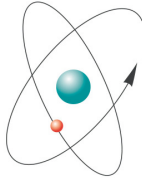


RESOURCE CHEMICAL LTD

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RESOURCE

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MATERIAL SPECIFICATION

Product name: Potassium carbonate 98% Fine Powder
Product code: 7579
CAS No.: 584-08-7
EINECS No.: 209-529-3

COA	Parameter	Unit	Specification		Typical Value	Test Method	Comments
			Min	Max			
*	Alkalinity as K_2CO_3	wt %	98			QSE MO 1157	
*	Na_2CO_3	wt %		2	1.5	QSE MO 1274	
*	Chlorides	mg/kg		80	60	QSE MO 1038	(1)
*	Sulphates	mg/kg		50	< 30	QSE MO 1164	(1)
*	Iron	mg/kg		5	< 1	QSE MO 1034	(1)
*	Heavy metal as Pb	mg/kg		5	2	QSE MO 1158	(1)
*	Solution appearance					QSE MO 0032	Clear (50% w/v in water) (1)
*	Particle size	%		2		QSE MO 0191	Retained on 250µm sieve (1)

An asterisk (*) in the COA Column indicates that this property has been reported on the Certificate of Analysis.

The properties denoted with a "(1)" are not determined on each individual lot. The limiting values are determined and guaranteed based on statistical process history.

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

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TYPICAL VALUES				
Property	Unit	Typical Value	Test Method	Comments
Aluminium	mg/kg	<1	QSE MO 1034	(1)
Antimony	mg/kg	<0.1	QSE MO 1034	(1)
Arsenic	mg/kg	<0.1	QSE MO 1237	(1)
Bismuth	mg/kg	<0.1	QSE MO 1034	(1)
Calcium	mg/kg	<20	QSE MO 1034	(1)
Cadmium	mg/kg	<0.05	QSE MO 1034	(1)
Chromium	mg/kg	<0.1	QSE MO 1034	(1)
Cobalt	mg/kg	<0.1	QSE MO 1034	(1)
Copper	mg/kg	<0.05	QSE MO 1034	(1)
Fluoride	mg/kg	<1	QSE MO 1178	(1)
Lead	mg/kg	<0.5	QSE MO 1237	(1)
Magnesium	mg/kg	<1	QSE MO 1034	(1)
Manganese	mg/kg	<0.01	QSE MO 1034	(1)
Mercury	µg/kg	1	QSE MO 1267	(1)
Molybdene	mg/kg	<0.1	QSE MO 1034	(1)
Nickel	mg/kg	<0.1	QSE MO 1034	(1)
Phosphate as PO4	mg/kg	<1.5	QSE MO 1034	(1)
Silica	mg/kg	<5	QSE MO 1034	(1)
Vanadium	mg/kg	<0.02	QSE MO 1034	(1)
Zinc	mg/kg	<0.1	QSE MO 1034	(1)
Strontium	mg/kg	<0.5	QSE MO 1034	(1)
KOH	%	<0.5	QSE MO 1177	(1)
KHCO3	%	<1	QSE MO 1177	(1)
Grain size	µm	90% : 36 10% : 3 50% : 15	QSE MO 0191	(1)
Bulk density uncompactd	g/cm3	0.55	QSE MO 1168	(1)
Bulk density compactd		0.85		
Loss on drying (at the date of production)	%	0.3	QSE MO 1170	(1)

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

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Food Chemicals Codex: this product DOES NOT conform to the criteria of purity of Food Chemicals Codex version 8.

Food Additives: this product does not conform to the purity criteria of food additives, European Regulation no. 231/2012.

European Pharmacopeia: 8e Edition: this product does not conform to the purity criteria.

US Pharmacopeia: Does not meet 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).

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.

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

Ecolabel: Commission Decision of 24th 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.

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