

Lithium carbonate



DESCRIPTION

General Description		Origin
Lithium carbonate		China
Grade	E number	Formula
Battery Grade	-	Li_2CO_3
Molecular weight	EINECS	CAS number
73.9	209-062-5	554-13-2

PRODUCT CHARACTERISTICS

Physicochemical properties	Unit	Standard	Test Result
Lithium carbonate (Li_2CO_3)	$\omega/\%$	≥ 99.50	99.61
Sodium (Na)	$\omega/\%$	≤ 0.025	0.0014
Magnesium (Mg)	$\omega/\%$	≤ 0.008	0.00034
Calcium (Ca)	$\omega/\%$	≤ 0.005	0.0036
Potassium (K)	$\omega/\%$	≤ 0.001	< 0.001
Iron (Fe)	$\omega/\%$	≤ 0.001	0.00025
Zinc (Zn)	$\omega/\%$	≤ 0.0003	< 0.0003
Copper (Cu)	$\omega/\%$	≤ 0.0003	< 0.0003
Lead (Pb)	$\omega/\%$	≤ 0.0003	< 0.0002
Silicon (Si)	$\omega/\%$	≤ 0.003	0.00061
Aluminium (Al)	$\omega/\%$	≤ 0.001	< 0.001
Manganese (Mn)	$\omega/\%$	≤ 0.0003	< 0.0003
Nickel (Ni)	$\omega/\%$	≤ 0.001	< 0.001
Sulfate (SO_4^{2-})	$\omega/\%$	≤ 0.080	0.0063
Chloride (Cl^-)	$\omega/\%$	≤ 0.003	0.0020
Water (H_2O)	$\omega/\%$	≤ 0.25	0.22
Average particle size	μm	$3 \leq D_{50} \leq 8$	4.95
Magnetic substance	ppb	231	

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