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Typical Product Specifications & Properties

Lithium Carbonate

CAS Number: : 554-13-2

Specifications	Limits
Practically Insoluble	in ethanol
Slightly Soluble	od. sol. in water
Melting Point	32C
As	< 0.0002%
Bulk Density	about 0.5 kg/l g/ccm
Solubility	1.54 g/100g water at 0C
K	< 0.0002%
Cl	< 0.0005%
H2O	< 0.4%
Heavy Metals	0.0005% as Pb
SO4	< 0.01%
Appearance	white, fine-grained powder



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Specifications	Limits
Appearance	73.89
Density	2.11 g/ccm at 20C
Screen	95% < 0.1 mm
Solubility	1.17 g/100g water at 40C
Solubility	1.01 g/100g water at 60C
Solubility	0.72 g/100g water at 100C
Mg	< 0.0005%
Ca	< 0.0005%
Al	< 0.0005%
Solubility	1.33 g/100g water at 20C
Solubility	0.85 g/100g water at 80C
Assay	> 99.9%



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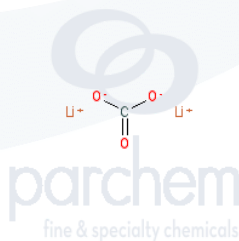
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Specifications	Limits
Na	< 0.0005%
Fe	< 0.0005%
Ba	< 0.0005%
pH	11.2
Insolubility	in acetone, ammonia
Odor	odorless
Molecular weight	73.89
Boiling Point	dec. 726 c

Specifications	Limits
Chemical Structure	



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