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Typical Product Specifications & Properties

Lithium Carbonate

CAS Number: : 554-13-2

Specifications	Limits
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%
Practically Insoluble	in ethanol
Heavy Metals	0.0005% as Pb
SO4	< 0.01%
Appearance	white, fine-grained powder
Appearance	73.89



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Specifications	Limits
Density	2.11 g/ccm at 20C
pH	11.2
Screen	95% < 0.1 mm
Solubility	1.17 g/100g water at 40C
Solubility	1.01 g/100g water at 60C
Insolubility	in acetone, ammonia
Slightly Soluble	od. sol. in water
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



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Specifications	Limits
Solubility	0.85 g/100g water at 80C
Assay	> 99.9%
Na	< 0.0005%
Fe	< 0.0005%
Ba	< 0.0005%
Boiling Point	dec. 726 c

Specifications	Limits
Chemical Structure	
Odor	odorless
Molecular weight	73.89



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