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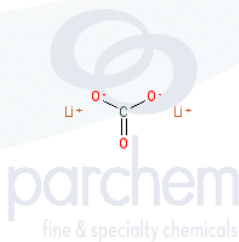
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| Specifications   | Limits              |
|------------------|---------------------|
| Na               | < 0.0005%           |
| Fe               | < 0.0005%           |
| Ba               | < 0.0005%           |
| pH               | 11.2       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

| Specifications     | Limits                                                                              |
|--------------------|-------------------------------------------------------------------------------------|
| Chemical Structure |  |



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