

Lithium Citrate, Reagent

$\text{Li}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 4\text{H}_2\text{O}$ FW 282.00
CAS 6080-58-6

52440-140 100 g 48.76

Specifications

Assay (Anhydrous basis)98.0 - 102.0%
Water (H_2O)24.0 - 28.0%
Carbonate (CO_3)P.T.
Arsenic (As)5 ppm max.
Heavy metals (as Pb)0.001% max.
Organic volatile impuritiesP.T.

Lithium Hydroxide, Reagent, A.C.S.

$\text{LiOH} \cdot \text{H}_2\text{O}$ FW 41.96
CAS 1310-66-3

52532-300 500 g 51.89

A.C.S. Specifications

Assay ($\text{LiOH} \cdot \text{H}_2\text{O}$)98.0% min.
Lithium Carbonate2.0% max.
Insoluble matter0.01% max.
Chloride (Cl)0.01% max.
Sulfate (SO_4)0.05% max.
Heavy metals (as Pb)0.002% max.
Iron(Fe)0.002% max.

Lithium Metaborate, Reagent, A.C.S.

LiBO_2 FW 49.75
CAS 13453-69-5

52624-140 100 g 95.72 6X100 g 459.45

A.C.S. Specifications

Assay (LiBO_2)98.0 - 102.0%
Bulk density0.25 g/mL min.
Insoluble matter0.01% max.
Loss on fusion @ 950° C2.0% max.
Phosphorous compounds (as PO_4)0.004% max.
Silicon (Si)0.01% max.
Aluminum (Al)0.001% max.
Calcium (Ca)0.01% max.
Iron (Fe)0.002% max.
Magnesium (Mg)5 ppm max.
Potassium (K)0.005% max.
Sodium (Na)0.005% max.
Heavy metals (as Pb)0.001% max.

Lithium Nitrate, Crystals, Reagent

LiNO_3 FW 68.95
CAS 7790-69-4

52716-140 100 g 22.32

52716-380 2 kg 366.47

Specifications

Assay (dried basis)99.0% min.
Chloride (Cl)0.002% max.
Heavy metals (as Pb)0.001% max.
Insoluble matter0.005% max.
Iron (Fe)0.001% max.
Sulfate (SO_4)0.01% max.

Lithium Perchlorate, Anhydrous, Reagent, A.C.S.

LiClO_4 FW 106.45
CAS 7791-03-9

52788-140 100 g 53.21

A.C.S. Specifications

Assay (LiClO_4)98.5% min.
pH of a 5% solution6.0 - 7.5 at 25° C
Insoluble matter0.005% max.
Chloride(Cl)0.003% max.
Sulfate (SO_4)0.001% max.
Heavy metals (as Pb)5 ppm max.
Iron (Fe)5 ppm max.

Lithium Sulfate, Powder, Reagent, A.C.S.

$\text{Li}_2\text{SO}_4 \cdot \text{H}_2\text{O}$ FW 127.96
CAS 10102-25-7

52854-380 2 kg 227.19

A.C.S. Specifications

Assay (dried basis) (Li_2SO_4)99.0% min.
Loss on drying @ 150° C13.0 - 15.0%
Insoluble matter0.01% max.
Chloride (Cl)0.002% max.
Nitrate (NO_3)0.001% max.
Heavy metals (as Pb)0.001% max.
Iron (Fe)0.001% max.
Potassium (K)0.05% max.
Sodium (Na)0.05% max.