

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number 30109
Lot Number 002126-0305118
Product **Sodium carbonate**

Carbonic acid disodium salt

CAS Number 497-19-8
Molecular Formula Na₂CO₃

Molecular Weight 106

Appearance White powder
Solubility 21.5 g in 100 mL at 20 °C in water
Melting Point 851 °C
Boiling point 400 °C
Density 2.532
Heavy Metals 0.0005%
Sulfur Compounds 0.003%
Silicate (SiO₂) 0.004%
Anion Chloride (Cl⁻) : 0.001%
Phosphate (PO₄³⁻) : 0.001%
Cation Arsenic(As) : 0.0005%
Iron (Fe) : 0.0004%
Calcium (Ca) : 0.03%
Magnesium (Mg) : 0.005%
Potassium (K) : 0.004%
Water Content (Karl Fisher) 0.5% (300 °C)
pH 12
Insoluble material 0.01%
Assay by titration 99.6% (anhydrous basis)
Grade ACS reagent
Storage Store at RT
Additional Information Loss on heating : 0.8% (285 °C)

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager