

SODIUM CARBONATE ANHYDROUS

Application Notes:

NuGenTec Inorganic Chemical Group (NICG) Sodium Carbonate Anhydrous, Na_2CO_3 also known as washing soda or soda ash is a hygroscopic white powder that makes a strong base in solution. Since it is a strong base it is used in many applications that require stable alkaline conditions such as municipal pools to neutralize effect of chlorine. It finds use in the glass making industry as well as in the food process industry and baking. It is often used as an electrolyte and lab reagent for acid-base titration standard.

Typical Parameters:

	Sodium Carbonate Anhydrous
Physical State & Appearance	Solid, White hygroscopic powder or granules
Molecular Formula	Na_2CO_3
Formula Weight	105.99

Specifications:

Assay (Dried Basis)	Min 99.5%
Insoluble Matter	Max .01%
Loss on Heating @ 285 °C	Max 1.0%
<i>Chloride</i>	10 ppm (max)
<i>Nitrogen Compound (as N)</i>	10 ppm (max)
<i>Phosphate (PO₄)</i>	10 ppm (max)
<i>Silica (SiO₄)</i>	50 ppm (max)
<i>Sulfur Compounds (SO₄)</i>	30 ppm (max)
<i>Ammonium Hydroxide Precipitate</i>	100 ppm (max)
<i>Heavy Metals (as Lead)</i>	<5 ppm
<i>Iron (Fe)</i>	< 5 ppm
<i>Calcium (Ca)</i>	300 ppm (max)
<i>Magnesium (Mg) & Potassium (K)</i>	50 ppm (max)



Availability: Available in 25 Kg fiber drum.

Shipment: Not regulated

Storage: Store in cool dry place

⁽¹⁾ **Disposal:** Dispose of in accordance with local, state, & federal regulations. For assistance with disposal contact NuGeneration Technologies at 888-99-Nugen or email: nicg@nugentec.com.