

# *Chem-Impex International, Inc.*

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*

# NaCl

**Catalogue Number** 00829

**Product** **Sodium chloride**

**CAS Number** 7647-14-5

**Molecular Formula** NaCl

**Molecular Weight** 58.44

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**Appearance** White crystalline powder

**Appearance of Solution** Clear and colorless solution

**Heavy Metals**  $\leq 5$  ppm

**Anion**  
Chloride (Cl<sup>-</sup>) : To pass test  
Iodide (I<sup>-</sup>) : To pass test  
Phosphate (PO<sub>4</sub><sup>3-</sup>) :  $\leq 25$  ppm  
Nitrite (NO<sub>2</sub><sup>-</sup>) : (absorbance  $\leq 0.01$ )  
Bromide (Br<sup>-</sup>) :  $\leq 100$  ppm  
Sulfate (SO<sub>4</sub><sup>2-</sup>) :  $\leq 200$  ppm

**Cation**  
Sodium (Na) : To pass test  
Magnesium (Mg) and Alkaline earth metals :  $\leq 100$  ppm  
Aluminum (Al) :  $\leq 0.2$  ppm  
Potassium (K) :  $\leq 500$  ppm  
Arsenic (As) :  $\leq 1$  ppm  
Iron (Fe) :  $\leq 2$  ppm  
Barium (Ba) : To pass test  
Ferrocyanides : To pass test

**Acidity & Alkalinity** To pass test

**Loss on Drying**  $\leq 0.5\%$  (105 °C, 2h)

**Bacterial Endotoxins** To pass test

**Assay by titration** 99.0 - 100.5% (anhydrous basis)

**Grade** Meets USP specification

**Storage** Store at RT

**Additional Information**  
Identification : To pass test  
Sterility test : To pass test

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**For Laboratory Use Only**