

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Specification Sheet

Product Name: **Sodium hydrogen carbonate**
 Specifications & Purity: PharmPure™, USP, ChP, JP, BP, Ph.Eur., FCC, E 500
 SKU #: **S774710**

Parameter	Limit Values
Appearance(S774710)	white or almost white, crystalline powder
Solubility:soluble in water, practically insoluble in ethanol(96 per cent).	pass
Assay(acidimetric)	99.0-101 (%)
Assay(alkalimetric , calculated on dried substance)	99.5-100.5 (%)
Identity(EP)(A)	passes test
Identity(EP)(B)	passes test
Identity (EP)(C)	passes test
Appearance of solution	Passes test
Insoluble matter	pass
PH(5% in water)	7.9-8.4
Carbonate(CO3)	Pass
Chloride (Cl-)	0-0.015 (%)
Sulfate(SO4)	0-0.015 (%)
Aluminium(Al)	0-0.0002 (%)
As (Arsenic)	0-0.0002 (%)
Calcium(Ca)	0-0.01 (%)
Copper(Cu)	0-0.0001 (%)
Magnesium(Mg)	0-0.004 (%)
Iron(Fe)	0-0.0005 (%)
Ammonium(NH4)	0-0.002 (%)
Heavy metals(as Pb)	0-0.0005 (%)
Residual solvents (ICH Q3C)(excluded by production process)	Pass
Loss on drying(Silica gel)	0-0.25 (%)
NH4(Ammonium) according to JP	passes test
Lead (Pb)	0-0.0002 (%)
Zinc(Zn)	0-0.0025 (%)
Mercury (Hg)	0-0.0001 (%)
Alkalinity	0-8.6 (%)
Sulfur compounds (as SO4)	0-0.015 (%)