



SPECIFICATION SHEET

Product Name	:	Sodium hydrogen carbonate, for analysis ACS, Reag. Ph Eur
Product Number	:	969.106
Brand	:	ISOLAB
CAS Number	:	144-55-8
Formula	:	NaHCO ₃
Formula Weight	:	84.01 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (acidimetric; calculated on dried substance)	99.7 – 100.3 %	%
Appearance of solution	passes test	
Identity	passes test	
Insoluble matter	≤ 0.015 %	%
pH-value (5%; water)	≤ 8.6 %	
Chloride (Cl)	≤ 0.002 %	%
Phosphate (PO ₄)	≤ 0.001 %	%
Sulphate (SO ₄)	≤ 0.015 %	%
Phosphate and Silicate (as SiO ₂)	≤ 0.005 %	%
Sulfur compounds (as SO ₄)	≤ 0.003 %	%
Total nitrogen (N)	≤ 0.0005 %	%
Ammonium (NH ₄)	≤ 0.0005 %	%
Heavy metals (as Pb)	≤ 0.0005 %	%
As (Arsenic)	≤ 0.0002 %	%
Ca (Calcium)	≤ 0.01 %	%
Cu (Copper)	≤ 0.0002 %	%
Fe (Iron)	≤ 0.0005 %	%
K (Potassium)	≤ 0.005 %	%
Mg (Magnesium)	≤ 0.005 %	%
Pb (Lead)	≤ 0.0005 %	%
Iodine reducing matter (as I)	≤ 0.0065 %	%
Loss on drying (Silica gel)	≤ 0.2 %	%
Zn (Zinc)	≤ 0.0005 %	%

Quality Management
Isolab Laborgerate GmbH

