

Sodium Hydrogen Carbonate, Pharma

NaHCO ₃	FW. 84.01	Density	= 2.22 g/cm ³
CAS-No.	144-55-8	Melting Point	270 °C
Code	BP1168		

Specifications

(Meets Ph.Eur, BP, USP/NF, JP)

Assay	99.0%	min.
Appearance	White or almost white, crystalline powder	
Identity	Passes test	
Appearance of solution	Clear and colorless	
pH of a 5% solution at 25°C	7.9 - 8.4	
Solubility	Passes test	
Loss on drying	0.25%	max.
Insoluble Substances	Passes test	
Organics	0.01%	max.
Sulfur compounds	0.015%	max.
Ammonia	Passes test	
Ammonium (NH ₄)	0.002%	max.
Carbonate	Passes test	
Chloride (Cl)	0.015%	max.
Sulfate (SO ₄)	0.015%	max.
Heavy metals (as Pb)	0.0005%	max.
Aluminium (Al)	0.0002%	max.
Arsenic (As)	0.0002%	max.
Calcium (Ca)	0.01%	max.
Copper (Cu)	0.0001%	max.
Iron (Fe)	0.0005%	max.
Magnesium (Mg)	0.004%	max.

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