


<b>Specification Reference:</b> SS/SB.009 Issue: 05 Dated: 27SEP2021	<b>Sales specification</b> <b>SODIUM BICARBONATE</b> <b>HYDROPHOBIC GRADE</b>	
---	---	--

## PRODUCT DESCRIPTION

Hydrophobic grade is manufactured from food grade Sodium Bicarbonate E500 (ii) of the following quality:

## IDENTIFICATION

Gives reactions characteristic of sodium salts and of bicarbonates.

## CHEMICAL COMPOSITION

		Unit	Limit		Typical
Sodium Bicarbonate	NaHCO <sub>3</sub>	%	99.0	MIN	99.70
Loss on drying	Wt. Loss	%	0.25	MAX	0.05
Ammonia	Passes test		complies		complies
Arsenic	As	mg/kg	2	MAX	<0.1
Lead	Pb	mg/kg	2	MAX	<0.1
Mercury	Hg	mg/kg	1	MAX	0.01

## ADDITIVE

Sodium Bicarbonate of the above chemical composition is treated with food grade magnesium stearate, Mg(C<sub>18</sub>H<sub>36</sub>O<sub>2</sub>)<sub>2</sub>, to provide a hydrophobic property to the product, this is achieved with a typical level of 0.5% magnesium stearate.

## PARTICLE SIZE

(By Alpine Air-Jet Test)

	Sieve Fractions (microns)	% Max. by weight
Retained on	250	0.2
Retained on	125	1.5
Retained on	63	12.5
Retained on	45	25.0
Passing	45	60.0 min
Average Median Size (microns)	30	

\* Limits expressed as non-cumulative values.

## TATA CHEMICALS EUROPE LIMITED

Private Limited Company registered in England, Registration Number: 2607081  
Natrium House, Winnington Lane, Winnington, Northwich, Cheshire CW8 4GW  
Tel: +44(0)1606 724000 web: www.tatachemicalseurope.com