



## Specification

Concerning Product:	
Article number	144558MEULV
Trade name / designation / denomination	Natriumhydrogencarbonat, Pulver
CAS number	144-55-8
Other names / synonyms	•SODIUM BICARBONATE; •SODIUM BICARBONATE, ACS; •SODIUM BICARBONATE, U.S.P.; •Sodium Bicarbonate; •Sodium Bicarbonate, Powder, BiotechGrade; •Sodium Bicarbonate, Powder, FCC; •Sodium Bicarbonate, Powder, Reagent, ACS; •Sodium Bicarbonate, Powder, USP, EP, BP, JP; •Sodium Hydrogen Carbonate; •Sodium bicarbonate;
EC number	205-633-8
Customs tariff number / CN code / TARIC	28363000
Molecular weight [g / mol]	84.0066
Formula	NaHCO <sub>3</sub> CHNaO <sub>3</sub>

Parameter	Specification	Unit
<b>Physical parameter</b>		
Form	extra fine white powder	
Substances insoluble	clear uns colorless solution	
Loss on drying	≤ 0,25	%
pH value	5% solution ≤ 8,6	
Solubility	soluble in water, insoluble in alcohol	
<b>Identity</b>		
Assay	99,0 – 100,5	%
Identification	complies	
<b>Impurities</b>		
Sulphates (SO <sub>4</sub> )	≤ 150	ppm
Impurity	> 125 µm ≤ 2,0	%
Impurity	> 250 µm ≤ 0,2	%
Impurity	> 63 µm ≤ 25,0	%
<b>Elemental Impurities</b>		
Arsenic (As)	≤ 2	ppm
Calcium (Ca)	≤ 100	ppm
Chlorides (Cl)	≤ 150	ppm
Iron (Fe)	≤ 20	ppm
Mercury (Hg)	≤ 1	ppm
Nihonium (Nh)	≤ 20	ppm
Lead (Pb)	≤ 2	ppm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 13. Oct. 2020

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