




## Specification

Concerning Product:	
Article number	497198ML
Trade name / designation / denomination	Natriumcarbonat wasserfrei Pulver Lebensmittelqualität
CAS number	497-19-8
Other names / synonyms	•disodium carbonate; •sodium carbonate;
EC number	207-838-8
EC index number	011-005-00-2
Customs tariff number / CN code / TARIC	28362000
Molecular weight [g / mol]	105.98844
Formula	CNa <sub>2</sub> O <sub>3</sub>
 -/-, ,	
Causes serious eye irritation. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.	

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Colour	white	
Odour	odourless	
<b>Physical parameter</b>		
Density	0,48 – 0,60	g/ml
Form	powder	
Substances insoluble	in H <sub>2</sub> O: ≤ 200	ppm
Loss on drying	≤ 0,50	%
Solubility	in ethanol: insoluble	
Solubility	in water: easily soluble	
<b>Identity</b>		
Assay	Na <sub>2</sub> CO <sub>3</sub> : ≥ 99,0	%
Assay	Na <sub>2</sub> O: ≥ 57,9	%
Identification	complies	
<b>Impurities</b>		
Impurity	Fe <sub>2</sub> O <sub>3</sub> : ≤ 30	ppm

Impurity	Na <sub>2</sub> SO <sub>4</sub> : ≤ 400	ppm
Impurity	NaCl: ≤ 0,30	%
Impurity	NaHCO <sub>3</sub> : ≤ 0,70	%
<b>Elemental Impurities</b>		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Cobalt (Co)	≤ 1	ppm
Chromium (Cr)	≤ 1	ppm
Copper (Cu)	≤ 1	ppm
Fluorine (F)	≤ 15	ppm
Mercury (Hg)	≤ 1	ppm
Manganese (Mn)	≤ 1	ppm
Nickel (Ni)	≤ 1	ppm
Lead (Pb)	≤ 1	ppm
Titanium (Ti)	≤ 1	ppm
Vanadium (V)	≤ 1	ppm
<b>Particle size distribution</b>		
Particles	125 - 425 µm: ≤ 33	%*
Particles	425 - 2800 µm: ≤ 3	%*
Particles	63 - 125 µm: ≥ 42	%*
Particles	< 63 µm: ≤ 22	%*
Particles	> 2800 µm: ≤ 1	%*
Particles	Ø 80 – 120	µm

**Annotation:**

\* only available as typical value

**Supplemental information:**

**Complies with monographie:** E 500(i)

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 10. Jun. 2020

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