

FEED GRADE/FEED MATERIAL SODIUM BICARBONATE SPECIFICATIONS

Chemical Name	: Sodium Bicarbonate
Formula	: NaHCO ₃
Molecular Weight	: 84.01
CAS No	: 144-55-8
EINECS No	: 205-633-8

Chemical Specifications:		
		Specification
NaHCO ₃	%	99.3 min
Na ₂ CO ₃	%	0.5 max
Cl ⁻	mg / kg	700 max
SO ₄ ⁻²	mg / kg	300 max
Water Insolubles	mg / kg	500 max
Pb/Lead	ppm	0.1 max
As/Arsenic	ppm	0.1 max
Hg/Mercury	ppm	0.1 max
Cd/Cadmium	ppm	2 max
Fe ⁺³ /Iron	ppm	10 max.
F/Fluorine	ppm	150 max.
Humidity	%	0.05 max
Solubility	g/100 ml water	15.6(60°C) 9.55(20°C) 5.55(0°C)
pH	1% solution	8.0-8.6

Physical Properties		
		Specification
Bulk Density	g/cm ³	0.75-1.15
Whitiness	%	L* = 95 min. (CIE Lab)
Appearance	visual	Free flowing white powder
Particle Size		
+75 micron (µm)	%	20-90
+45 micron (µm)	%	60-100

Dioxins/Sum of dioxins and dioxin-like PCBs		
		Specification
Dioxins	kg	max 0.1
Sum of dioxins and dioxin-like PCBs	kg	max 1.

Standard Packages

- 25 kg polyethylene (PE) FFS bags.
- 1 ton polypropylene (PP) big bag with inner Lining.

Storage Conditions

- Must be stored in a covered warehouse, preferably lower than 30°C and 50% relative humidity and well-ventilated.
- Not recommended to store more than one pallet on another.
- The shelf life of the product is 2 years.

Human Health Effect

- Do not contain GMO
- There is no feature of allergen
- There is no consumer group designated

Uses

- Dairy cattle
- Poultry
- Swine cattle

Transport

- Truck
- Ship

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QA/QC & HSE MANAGER	MANAGEMENT REPRESENTATIVE	VICE GENERAL MANAGER

Specifications defined above are valid for the products kept in suitable conditions and not further processed. Please check the Material Safety Data Sheet for detailed information, handling and safety details.