

TECHNICAL DATA SHEET

Document #: ENJTDS502609005 | Issue Date: 07/10/2026

Name: Sodium Bicarbonate Grade: Feed Grade
Properties:

- Sodium bicarbonate Chemical formula: NaHCO_3
- Appearance: white, crystalline
- Molecular Weight/ Molar Mass: 84.0066 g/ mol
- Thermal behaviour: decomposes from approx. 50 °C (releases CO_2)
- CAS No: 144-55-8
- This compound is insoluble in ethanol and slightly soluble in methanol and acetone.
- At a temperature of 20 degrees celsius, the solubility of this compound in water corresponds to 96 grams per litre.

ANALYSIS:

ROW	ANALYSIS	RESULT	UNIT	RANGE	TEST METHOD
1	Appearance	Conform	-	White powder	4270
2	Solubility	Conform	-	Conform	4270
3	Total alkalinity	99.67	percent	Min 99	4270
4	Sodium carbonate	0.07	percent	Max 1	4270
5	Ammonia	Pass test	-	Pass test	4270
6	Insoluble in water	Pass test	-	Pass test	4270
7	Moisture	0.07	percent	Max 0.25	4270
8	pH 5%	8.39	-	8.2-8.6	4270
9	Chloride	105	ppm	Max 150	4270
10	Packaging & Labelling	-	-	Conform	4270
11	Ash insoluble in HCL	0.09	percent	-	4270
12	Sulfate	101	ppm	-	4270
13	Sodium bicarbonate	99.67	percent	-	4270
14	As	Less than 2	ppm	Max 3	4270
15	Fe	Less than 5	ppm	Max 5	4270
16	Heavy Metal(as Pb)	Less than 5	ppm	Max 5	4270
17	Na	28	percent	-	4270
18	Pb	Less than 2	ppm	-	4270
19	Cu	Less than 2	ppm	-	4270
20	Cd	Less than 0.2	ppm	-	4270
21	Hg	Less than 0.1	ppm	-	4270



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MESH SIZE - POULTRY USAGE

MESH NO	%
<40	0.02
40-70	8.88
70-100	17.74
100-200	43.56
>200	29.80

MESH SIZE - COW USAGE

MESH NO	%
<40	4.70
40-70	50.85
70-100	24.04
100-200	17.39
>200	3.02

