



NEPHROCARB

Pharmaceutical Sodium Bicarbonate

Essential Product for Pharmaceutical and Hemodialysis Uses



ICD GROUP



Nova pharmed is offering pharmaceutical Sodium Bicarbonate, In accordance with pharmacopoeia standards BP/EP/USP

We can provide you with the appropriate grade of sodium bicarbonate for a large range of applications. Furthermore, we are able to provide a strong support to meet specifications and regulatory requirements of the world market.

TECHNICAL DATA SHEET Sodium Bicarbonate PHARMACEUTICAL GRADE-Course

CHEMICAL INFORMATION

- NaHCO_3
- Molecular weight: 84g/mol
- Natrii hydrogen carbonas
- (Sodium bicarbonate)
- N^o CAS: 144-55-8
- N^o EINECS: 205-633-8

IDENTIFICATION

- In compliance with European
- and British Pharmacopoeias and
- USP (latest editions in force)

ASPECT

- White Crystalline powder

SOLUBILITY

- Freely soluble in water, practically
- insoluble in ethanol 96%
- 5% aqueous solution: pH<8.3

PACKAGING

- Big bags 1000kg (bulk bags in P.P. with an inner liner in PE)
- 25 kg bags/pallet of 1000 kg plastics bags (PE)

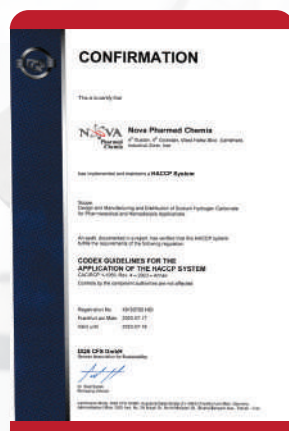
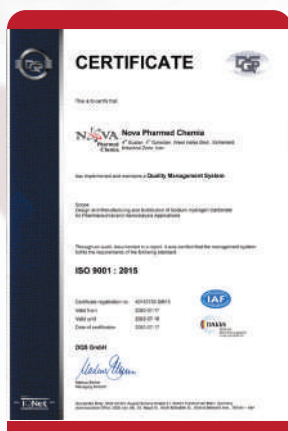
CHEMICAL CHARACTERISTICS	Specification	EUR.ph BP	USP
Sodium Bicarbonate (NaHCO_3)	99.0-100.5	✓	✓
Sodium Carbonate (Na_2CO_3) in %	≤0.4	-	≤1
Carbonate (CO_3)	$\text{pH} \leq 8.4$ / quantity ≤ 230ppm	≤8.6	≤230ppm
Loss on drying (H_2O) in %	≤0.25		✓
Chloride (Cl^-) in mg/kg	≤150	✓	✓
Sulfate (SO_4^{2-}) in mg/kg	≤150	✓	✓
Iron (Fe) in mg/kg	≤20	✓	≤5
Calcium (Ca) in mg/kg	≤100	✓	✓
Ammonium (NH_4) in mg/kg	≤20	✓	✓
Magnesium (Mg) in mg/kg	≤40		≤40
Aluminum (Al) in mg/kg	≤2		≤2
Arsenic (As) in mg/kg	≤2	✓	✓
Heavy metals in mg/kg	≤5	✓	✓
Insoluble substances	Conform		✓
Copper (Cu) in mg/kg	≤1		✓
Limit of organics in %	≤0.01		✓
Physical CHARACTERISTICS	Specification		
Particle size ≥ 150 micron	Min %50	-	-

There is no residual solvent as Nova pharmed chemia manufacturing process is free from solvent. Microbiological characteristics can be provided on demand. typical values are respectively ≤100 CFU/gr TAMC & ≤10 CFU/gr TYMC & ≤5 EU/gr bacterial Endotoxins. Specification value is the most restrictive between USP, European, British Pharmacopoeia. Values in "USP" column apply for hemodialysis grade only.

A Unique Producer offering HIGH QUALITY PRODUCT

Obtaining Certification standards:

- **HACCP CERTIFIED BY DQS**
- **ISO 9001 CERTIFIED BY DQS**
- **GMP IPEC-PQG CERTIFIED BY DQS**
- Product reliability and availability
- Top and consistent quality with a very high purity
- Continues risk based self-inspection and live documentation
- Best support in documentation to meet future global quality standards

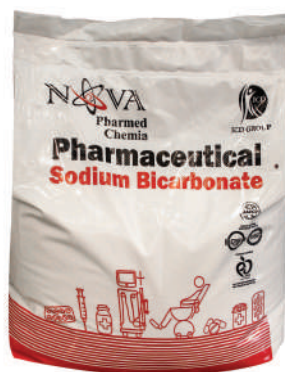


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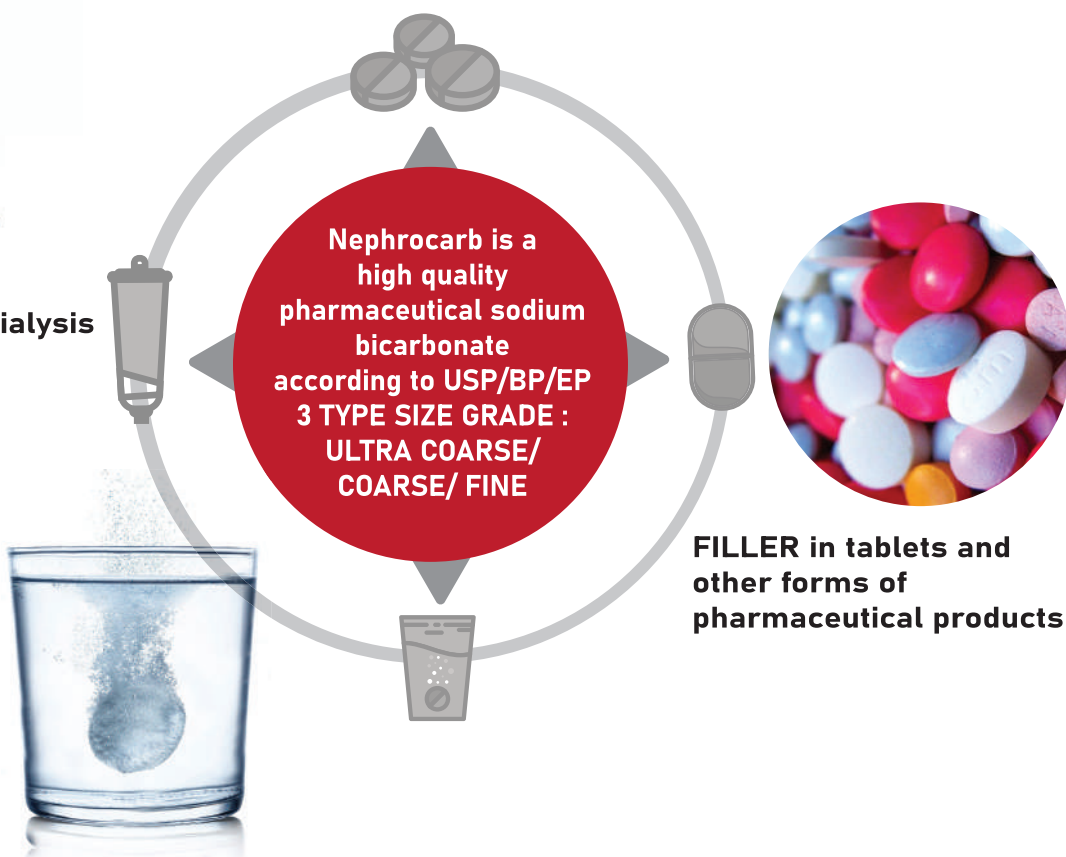
Hemodialysis(NEPHROCARB): In hemodialysis to provide electrolytes and stabilize the pH



BUFFER in Hemodialysis treatments



API in pharmaceutical products



EXCIPIENT in different type of Effervescent



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