



## **SPECIFICATION**

# **SODIUM BICARBONATE**

Powder Fine, Food Grade (E500)

### **Document Revision Date**

26th September 2014 (Supercedes all previous revisions)

### **Source Document References**

SS/RB.020 (July 2014)

BAL. 24/9/14

### **Product Description**

Sodium Bicarbonate (Powder Fine, Food Grade E500)

### **CAS Number**

144-55-8

### **Chemical Analysis (Typical)**

Sodium Bicarbonate Assay ( $\text{NaHCO}_3$ ): 99.87%

Carbonate ( $\text{CO}_3$ ): 0.065%

Calcium (Ca): 75 mg/kg

Chloride (Cl): 65 mg/kg

Sulphate ( $\text{SO}_4$ ): 40 mg/kg

Iron (Fe): 2.6 mg/kg

Aluminium: not detected

Insoluble Substances: 1g dissolves completely in 20ml of water to give a clear solution

### **Food Grade Certification**

Ammonium ( $\text{NH}_4$ ): < 20 mg/kg (pass)

Arsenic (As): < 0.1 mg/kg (Food grade limit 2 mg/kg)

Lead (Pb): < 0.1 mg/kg (Food grade limit 2 mg/kg)

Mercury (Hg): <0.02 mg/kg (Food grade limit 1 mg/kg)

### **Physical Properties**

Loss on Drying Wt. Loss: < 0.01%

pH of a freshly prepared 5% Solution: 8.01

### **Particle Size**

Retained on 125 micron sieve - 10.0% max by weight

Average Median Size 65 microns

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