



CERTIFICATE OF QUALITY FOR SODIUM BICARBONATE EP/USP- ULTRA COARSE GRANULAR GRADE

| | | | |
|----------------------|--------------------------|----------|--|
| COMPANY: | FTA Food Solutions P/L | | |
| OUR ORDER NO. | | ITEM NO. | |
| CUSTOMER REF. | | | |
| QUANTITY | 5 X 1Kg | PACKAGE | |
| BATCH NUMBERS | | | |
| PACK DATES | 17 June 2015 | | |
| RETEST DATE | 24 Months from pack date | | |
| CUSTOMER INFORMATION | | | |

This certificate confirms that the above product complies with the following limits:

CHEMICAL COMPOSITION

| | | | <u>Limit</u> | |
|--------------------------------------|--|-------|--------------|-----|
| Identification | Gives reactions characteristic of sodium salts and of bicarbonates | | | |
| Sodium Bicarbonate Assay | NaHCO ₃ | % | 99.0 – 100.5 | max |
| Carbonate | CO ₃ | % | 0.23 | max |
| Loss on Drying | Wt. Loss | % | 0.25 | max |
| Ammonium | NH ₄ | mg/kg | 20 | max |
| Arsenic | As | mg/kg | 2 | max |
| Calcium | Ca | mg/kg | 100 | max |
| Chloride | Cl | mg/kg | 150 | max |
| Heavy Metals (as Lead) | Pb | mg/kg | 5 | max |
| Lead | Pb | mg/kg | 2 | max |
| Iron | Fe | mg/kg | 20 | max |
| Sulphate/Limit of sulphur compounds | SO ₄ | mg/kg | 150 | max |
| pH of a freshly prepared 5% Solution | | | 8.6 | max |
| Residual solvents (USP) | Meets the requirements | | | |
| Insoluble Substances | 1 g. dissolves completely in 20ml. of water to give a clear solution | | | |

PARTICLE SIZE

| | | <u>Microns</u> | <u>*%Max. by Weight</u> |
|-----------------------|---------------|----------------|-------------------------|
| Ultra Coarse Granular | Retained on | 500 | 5.0 |
| | Total Passing | 250 | 15.0 – 60.0 |
| | Passing | 150 | 15.0 |

* Limits expressed as non-cumulative values

MJ Ashan

Signed:
(M.D. on behalf of Tata Chemicals Europe)

Date: 17 June 2015

Ref : SSRB.001U