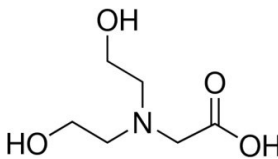



BICINE BUFFER

| | | |
|--|---|---|
| PRODUCT CODE | R01655 | |
| SYNONYMS | N,N-Bis(2-hydroxyethyl) glycine | |
| C.I. NO. | -- | |
| CASR NO. | (150-25-4) | |
| ATOMIC OR MOLECULAR FORMULA | (C ₂ H ₄ OH) ₂ NCH ₂ COOH |  |
| ATOMIC OR MOLECULAR WEIGHT | 163.17 | |
| PROPERTIES | --- | |
| PARAMETER | LIMIT | |
| Description | White crystalline powder. | |
| Solubility | 10% Solution in water is clear and colourless. | |
| Minimum Assay (Non-aqueous) | 99.0% | |
| pH of (10% soln.in water) | 4.0 - 5.0 | |
| Useful pH range | 7.6-9.0 | |
| MAXIMUM LIMIT OF IMPURITIES | | |
| Absorbance per 10 mm of 10% aqueous solution at 250 nm | 0.1 with smooth curve in the range 230 to 350 nm | |
| Loss on drying (at 110°C) | 0.2% | |
| Residue on ignition | 0.5% | |
| Sulphate (SO ₄) | 0.01% | |
| Iron (Fe) | 0.0005% | |
| Lead (Pb) | 0.001% | |
| Note(s) : Assay (if applicable) method mentioned. | | |
| WARNING | | IMDG Code : |
| HAZARDS STATEMENTS : Not hazardous. No hazards. | | UN No. : |
| PRECAUTIONARY STATEMENTS : | | IATA : |
| Prevention: --- | | |
| Response : ---- | | |
| Disposal : - ---- | | |
| Hazard Pictogram(s) : |  <p>GHS05 GHS07</p> | |

Replace Date 1 April 2023

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