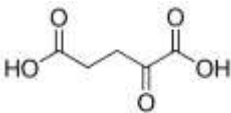




## $\alpha$ - KETO GLUTARIC ACID FOR MOLECULAR BIOLOGY

|  |  |   |
|--|--|---|
| <b>PRODUCT CODE</b>  | <b>950870</b>  |   |
| <b>SYNONYMS</b>  | <b>2-Oxopentanedioic acid</b>                        |   |
| <b>C.I. NO.</b>  | --   |   |
| <b>CASR NO.</b>  | <b>328-50-7</b>                                      |   |
| <b>ATOMIC OR MOLECULAR FORMULA</b>   | <b>C<sub>5</sub>H<sub>6</sub>N<sub>5</sub></b>       |  |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>  | <b>146.1</b>   |   |
| <b>PROPERTIES</b>  | <b>Store at 2 - 8°C</b>                              |   |
| <b>PARAMETER</b>   | <b>LIMIT</b>   |   |
| Description  | White to pale yellow crystals or crystalline powder. |   |
| Solubility   | Soluble in alcohol.                                  |   |
| Minimum assay (NaOH Titration, on dry basis)   | 99.0%  |   |
| Melting range  | 113 - 118°C  |   |
| <b>MAXIMUM LIMIT OF IMPURITIES</b>   |  |   |
| Loss on drying (at 110°C, 1hr)   | 1.0%   |   |
| DNase, RNase   | None detected  |   |
| <b>Note(s) : Assay (if applicable) method mentioned.</b>   |  |   |
| <b>WARNING</b><br><b>HAZARD DANGER</b> Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.<br><b>PRECAUTIONARY STATEMENTS</b><br><b>Prevention:</b> Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash . thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well- ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.<br><b>Response: IF SWALLOWED:</b> Call a POISON CENTER or doctor/physician if you feel unwell. <b>IF ON SKIN:</b> Wash with plenty of soap and water. <b>IF INHALED:</b> Remove victim to fresh air and keep at rest in a position. comfortable for breathing. <b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove. Contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re- use<br><b>Disposal :</b> The chemical should be mixed with combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber |  | IMDG Code : --<br>UN No. : --<br>IATA : --  |
| Hazard Pictogram(s) :<br><div style="text-align: center;"> <br/> <b>GHS05</b> </div> <div style="text-align: center;"> <br/> <b>GHS07</b> </div>   |  |   |

Replace date 05-Aug-2025