

" clyzo " - Monograph Comparison





AS PER CURRENT USP 2022/EP11/JP18 Issue Date **Product Name** tri-Sodium Citrate 2-hvdrate Ph. Eur. USP July-23 **Product Code** 140046 Prepared by Sr. Tech Lead CAS NO. 6132-04-3 Reviewed by Manager Technical CG Chemikalein GmbH & Co KG Manufacturer Name CLYZO/CG/140046/01 Version no. Manufacturer COA **Pharmacopeial Specifications** Sr. No. Test Complies USP, Ph. Eur., BP USP 2022 EP Version 11.0 JP 18 Colorless crystals, or white, crystalline powder. White or almost white, crystalline powder or white or Colorless crystals, or a white crystalline powder. White or almost white, crystalline powder Description almost white, granular crystals, slightly deliquescent It is odorless, and has a cooling, saline taste Freely soluble in water, practically insoluble in Not mentioned Freely soluble in water, and practically insoluble Not mentioned Solubility ethanol (96 per cent) in ethanol (95) and in diethyl ether. Should comply the test Should comply by a light red color formation After addition of an excess of concentrated ammonia (1) After addition of 20 mL of a mixture of should produces a violet colour, which turns to violet-pyridine and acetic anhydride (3:1) a redbrown blue color should develop.2. After addition of equal volume of H2SO4 and 2/3rd volume of KMnO4 Identification 1 should produce a white precipitate. (3) When boliled with excess CaCl2 solution, should produce a white crystalline precipitate. Should comply the test Should comply by a dense white precipitate Should comply by a dense white precipitate 1. Should develope yellow coloured flame. 2. formation formation Should comply by formation of a white, Identification 2 crystalline precipitate with addition of potassium hexahydroxoantimonate (V) TS. Should comply the test Upon ignition it should form an alkaline residue Not mentioned Identification 3 Not mentioned Not mentioned Sample Solution should be clear and colourless Sample Solution should be clear and colourless Sample solution should be clear and colorless Clarity and color of solution After addition of 0.2 ml 0.01N H2SO4 should Should comply the test Not mentioned Acidity or alkalinity Not mentioned not produce pink color Between 7.5 and 8.5 Between 7.9 and 8.4. Not mentioned Not mentioned NMT 50 ppm NMT 0.015% Chloride NMT 50 ppm Not mentioned NMT 150 ppm NMT 150 ppm NMT 0.048% Sulfate Not mentioned Not mentioned Oxalate NMT 300 ppm NMT 300 ppm Sample solution should be clear No crystalline precipitate should be formed. 12 Should comply the test Not mentioned Tartrate No crystalline precipitate should be formed 13 Between 11.0% and 13.0 % Between 10.0% and 13.0 % Between 11.0% and 13.0 % Not mentioned Between 10.0% and 13.0 % 14 Loss on drying Not mentioned Not mentioned Not mentioned 15 Should comply the test Not mentioned The solution should not be more intensely coloured Sample solution should be less intensely Readily carbonisable substances than reference solution Y2 or GY2 colored than Matching Fluid K Arsenic Not mentioned Not mentioned Not mentioned NMT 2 ppm 17 Heavy metals NMT 10 ppm Not mentioned Not mentioned NMT 10 ppm Between 99.0% and 100.5% Between 99.0 % and 101.0 % Assay Between 99.0% and 100.5% Between 99.0 % and 101.0 % Not mentioned Not mentioned Microbial limit test NMT 100 CFU/g Total aerobic microbial count NMT 50 cfu/g Total yeast and molds count E.Coli Absent/g Not mentioned Pseudomonas aerugonisa Absent/g Staphylococcus aureus Absent/g Salmonella Absent/25 g Bacterial Endotoxins NMT 2.5 IU/g Not mentioned Not mentioned Not mentioned In an airtight container. Tight Containers Storage Not mentioned Containers — Tight containers

Note - If you need any additional testing, you may use our Additional Testing Feature on the product page or contact your Clyzo reprensentive.