

" clyzo " - Monograph Comparison





AS PER CURRENT USP 2022/EP11/JP18 PanReac AppliChem L-Threonine (Ph. Eur., USP) pure, pharma grade Issue Date Product Name March-23 **Product Code** A1419 Prepared by Sr. Tech Lead CAS NO. Reviewed by 72-19-5 Manager Technical Manufacturer Name PanReac AppliChem Version no. CLYZO/PAN/A1419/01 **Pharmacopeial Specifications** Manufacturer COA Sr. No. Test USP 2022 EP Version 11.0 Descriprion Solid White or almost white, crystalline powder or 1 White, odorless crystals, having a slightly sweet White, crystals or crystalline powder. . It is odorless colourless crystals or has a slight, characteristic odor, and has a slightly Solubility Soluble in water Freely soluble in water; insoluble in absolute Soluble in water, practically insoluble in ethanol It is freely soluble in formic acid, soluble in water, alcohol, in ether, and in chloroform and practically insoluble in ethanol (95) Identification 1 Passes test The Infrared absorption spectrum obtained with The Infrared absorption spectrum obtained with The Infrared absorption spectrum obtained with sample should be concordant with spectrum sample should be concordant with spectrum sample should be concordant with spectrum obtained with threonine reference obtained with threonine reference obtained with I-Threonine reference standard/working standard standard/working standard standard/working standard Identification 2 Passes test Not mentioned Should comply with specific optical rotation test Not mentioned Identification 3 Passes test Not mentioned By TLC, the principal spot in the chromatogram Not mentioned obtained with the test solution is similar in position, colour and size to the principal spot in the chromatogram obtained with the reference Identification 4 Passes test Not mentioned Should comply by a blue colour development Not mentioned Appearance of solution Passes test Not mentioned Sample solution should be clear and colourless Sample solution should be clear and colorless Between -29.0° - -27.6° (20 deg) Specific optical rotation Between -29.10 and -26.70 Between -29.0° to -27.6° Between -29.00 and -26.00 Between -29.10 and -26.70 (25 deg) Between 5.0-6.5 Between 5.0-6.5 Between 5.0-6.5 Between 5.2 and 6.2 9 10 Heavy metals NMT 0015% Not mentioned Not mentioned NMT 20 ppm Not mentioned Not mentioned Not mentioned NMT 2 ppm 11 Arsenic NMT 0.4% NMT 0.1% 12 Residue on Ignition NA Not mentioned 13 Sulfated ash NMT 0.1 % Not mentioned NMT 0.1% Not mentioned 14 Loss on drying NMT 0.2% NMT 0.2% NMT 0.5% NMT 0.2% NMT 0.05% NMT 200 ppm 15 Chlorides NMT 0.02 % NMT 0.021% NMT 0.02 % Not mentioned NMT 0.02% NMT 0.02% 16 Ammonium 17 Sulfate NMT 0.03% NMT 0.03% NMT 300 pppm NMT 0.028% 18 NMT 0.001% NMT 30 ppm NMT 10 ppm Not mentioned 19 Ninhydrin positive substances/related Maximum individual impurity: NMT 0.2% Maximum individual impurity: NMT 0.5% Total Maximum individual impurity: NMT 0.2% Total NMT 0.5% substances impurities: NMT 0.5% By TLC: impurities: NMT 2.0% impurities: NMT 0.5% Maximum individual impurity: NMT 0.5% Total mpurities: NMT 2.0% 20 Assay (dried basis) Between 99.0% and 101.0 % Between 98.5% and 101.5% Between 99.0% and 101.0 % NLT 98.5% Store at room temperature Protected from light. Storage Preserve in well-closed containers. Fight containers

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

Disclaimer - The information above is solely for your consideration. We do not recommend or affirm the suitability for any specific end use. We suggest the users should research & verify the specifications in accordance with their intended usage.