# " clyzo " - Monograph Comparison

## AS PER CURRENT USP 2022/EP11/JP18

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|---|---|---|
| **Product Name** | ortho-Phosphoric Acid 10 % (Ph. Eur., USP-NF) pure, pharma grade | **Issue Date** : March-23 |
| **Product Code** | 147143 | **Prepared by** : Sr. Tech Lead |
| **CAS NO.** | 7664-38-2 | **Reviewed by** : Manager Technical |
| **Manufacturer Name** | PanReac AppliChem | **Version no.** : CLYZO/PAN/147143/01 |

PanReac AppliChem ITW Reagents

| Sr. No. | Test | Manufacturer COA | Pharmacopeial Specifications | | |
|---|---|---|---|---|---|
| | | Complies USP-NF, Ph. Eur. | USP 2022 | EP Version 11.0 | JP 18 |
| 1 | Description | Liquid | Colorless, odorless liquid of syrupy consistency. Specific gravity about 1.71 | Not mentioned | |
| 2 | Solubility | Not mentioned | Miscible with water and with alcohol | Not mentioned | |
| 3 | Identification 1 | passes test | 1. After addition of AgNO3 TS, a yellow precipitate is formed that is soluble in 2 N HNO3 and in 6 N ammonium hydroxide. 2. After addition of ammonium molybdate TS, a yellow precipitate that is soluble in 6 N ammonium hydroxide is formed | 1. A yellow precipitate should be formed whose colour should not be changed by boiling and which dissolves on addition of ammonia 2. A yellow colour should be developed | |
| 4 | Identification 2 | passes test | NA | Solution should be strongly acidic having pH below | |
| 5 | Appearance of solution | passes test | NA | Sample solution should be clear and colorless | |
| 6 | Nitrate | passes test | The blue color should not discharge within 1 minute | Not mentioned | |
| 7 | Chlorides | NMT 0.0006 % | Not mentioned | NMT 6 ppm | |
| 8 | Sulfate | NMT 0.001 % | No precipitate should be formed | NMT 10 ppm | |
| 9 | Arsenic | NMT 0.00002% | Not mentioned | Not mentioned | |
| 10 | Iron | NMT 0.0006% | Not mentioned | NMT 6 ppm | |
| 11 | Alkali phosphates | passes test | No turbidity should be produced | NA | |
| 12 | Hypophosphite / Phosphite | passes test | The mixture should not become brownish | The solution shows no change in appearance. | |
| 13 | Substances precipitated with ammonia | passes test | Not mentioned | Any opalescence in the solution should not be more intense than standard solution | |
| 14 | Assay (titr.) | Between 9.5 and 10.5 % | Between 9.5 % and 10.5% | Between 9.5% and 10.5% | Product Not Official in Japanese pharmacopoeia |
| | Storage | Store at room temperature | Preserve in tight containers | Not mentioned | |

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