



GLYCINE

| Sr. No. | TESTS | SPECIFICATION | | |
|---------|------------------------|---|--|---|
| | | IP | USP | BP |
| 1. | Description | A white, crystalline powder; odorless | White, Odorless, crystalline powder, having a sweetish test | White or almost white crystalline powder |
| 2. | Solubility | Freely soluble in water; very slightly soluble in ethanol (95%); practically insoluble in ether | Freely soluble in water; very slightly soluble in alcohol and in ether | Freely soluble in water; very slightly soluble in ethanol (96%) |
| 3. | Assay (w/w) | 98.5% to 101.5% | 98.5% to 101.5% | 98.5% to 101.0% |
| 4. | Identification | As per IP | As per USP | As per BP |
| 5. | Sulphated Ash | NMT 0.1% | NMT 0.1% | Max. 0.1% |
| 6. | Chlorides | NMT 100 ppm | NMT 0.007% | Max.75 ppm |
| 7. | Heavy Metals | NMT 10 ppm | NMT 20 ppm | Max. 10 ppm |
| 8. | Loss On Drying | NMT 0.5% | NMT 0.2% | Max. 0.5% |
| 9. | Appearance Of Solution | As per IP | ---- | As per BP |
| 10. | pH (5.0% w/v) | 5.9 to 6.3 | ---- | 5.9 to 6.4 |
| 11. | Ninhydrin - Positive | ---- | ---- | As per BP |
| 12. | Sulphate | ---- | NMT 0.0065% | ---- |
| 13. | Hydrolyzable Substance | ---- | As per USP | As per BP |