|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **GLASS BATCHING & MELTING** | | | | | | | | | | | | | | | |
| Name of the person | | | | | | | | | | | | | Date | | |
| Glass type(bulk/preform/tube) | | | | | | | | | | | | | Total batch weight | | |
| Glass composition : | | | | | | | | | | | | | | | |
| Room temperature | | | | | | Room humidity | | | | | | | Room pressure | | |
| **A. BATCHING** | | | | | | | | | | | | | | | |
| Chemical | |  | | |  | | |  | | | |  | | |  |
| Supplier | |  | | |  | | |  | | | |  | | |  |
| Purity | |  | | |  | | |  | | | |  | | |  |
| Batch no. | |  | | |  | | |  | | | |  | | |  |
| Weight | |  | | |  | | |  | | | |  | | |  |
| Mould preparation procedure: | | | | | | | | | | | | | | | |
| Grinding /mixing duration: | | | | | | | | | | P&M(marble/porcelain); | | | | | |
| **B. PURIFICATION/DRYING** | | | | | | | | | | | | | | | |
| Furnace: | Temperature: | | | Atmosphere | | | Flow rate | | | | Crucible | | | | |
| Duration: | | | | | | | Notes: | | | | | | | | |
| **C. FUSION** | | | | | | | | | | | | | | | |
| Furnace: | Temperature: | | | Atmosphere | | | Flow rate | | | | Crucible | | | | |
| Duration: | | | | | | | Notes: | | | | | | | | |
| **D. MELTING** | | | | | | | | | | | | | | | |
| Furnace: | Temperature: | | | Atmosphere | | | Flow rate | | | | Crucible | | | | |
| Duration: | | | | | | | Notes: | | | | | | | | |
| **E. HOMOGENISATION** | | | | | | | | | | | | | | | |
| Furnace: | Temperature: | | | Atmosphere | | | Flow rate | | | | Crucible | | | | |
| Duration: | | | | | | | Notes: | | | | | | | | |
| **F. Stirring** | | | | | | | | | | | | | | | |
| Method(gold rod or shake | | | | | | | Regularity : | | | | | | | | |
| **G: Casting/annealing** | | | | | | | | | | | | | | | |
| Glass casting temperature | | | Mould preheat temp: | | | | | | | | | | | Anneal temp: | |
| Anneal Duration: | | | Anneal cool rate: | | | | | | Notes: | | | | | | |
| **DIAGNOSIS/RESULTS** | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |