**SIT Test Summary Report – Azure DevOps Triggered Databricks → Cosmos DB Active/Passive Load**

| **Step No.** | **Test Step / Description** | **Expected Result** | **Actual Result** | **Status (Pass/Fail)** | **Remarks** |
| --- | --- | --- | --- | --- | --- |
| 1 | Place sample CSV data in SFTP path | File detected and accessible | File successfully read | ✅ Pass | Verified sample data for SIT |
| 2 | Trigger Azure DevOps pipeline with SIT parameters | Pipeline initiates and picks correct environment | Trigger successful | ✅ Pass | Active DB set as per configuration |
| 3 | Databricks pipeline execution | Databricks job triggered and processes CSV | Job completed successfully | ✅ Pass | Data loaded into Data Lake and Active Cosmos DB |
| 4 | Validate Cosmos DB data load | Data reflects in active Cosmos DB | Data loaded correctly | ✅ Pass | Verified through query results |
| 5 | Auto-switch Active ↔ Passive DB post-run | Configuration updates and next run targets alternate DB | Switch successful | ✅ Pass | Verified DB switch in subsequent run |
| 6 | Check for configuration/timeout errors | Pipeline completes without errors | Issue resolved | ✅ Pass | Timeout issue fixed; config stable |
| 7 | Performance validation | Pipeline completes within allowed time | Runtime ~3 hrs | ⚠️ Pass (with note) | Timeout threshold increased from 60 mins → 4 hrs |
| 8 | Optimization recommendation | Evaluate ingestion rate and Cosmos DB throughput | N/A | N/A | Recommend further optimization (outside BICOE scope) |

**Summary:**

* All SIT test steps executed successfully.
* Active/Passive DB switch confirmed functional.
* Configuration and timeout issues resolved.
* Current performance acceptable (3 hrs) but optimization required for production readiness.