CERTIFICATE OF ANALYSIS

**Product Grade: HO-201C-12MIC Glossy**

**Product Name: BOPP film-12MIC Glossy**

**Corona treatment one side or both sides.**

**AS PER ORDER NO:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Specification | | **BOPP film- 12mic Glossy** | | Test Standard | ASTM |
| Test temperature | | 23℃ | | Test Date | 2023 .2.17 |
| Test Item | | Unit | Test Requirement | Test Result | Opinion |
| Tensile | MD | M pa | ≥120 | **139** | ASTMD-882 |
| TD | ≥200 | **321** | ASTMD-882 |
| Elongation at break | MD | % | ≤180 | **179** | ASTMD-882 |
| TD | ≤65 | **45** | ASTMD-882 |
| COF | | SA | ≤0.8 | **0.418** | ASTMD-1894 |
| KA | ≤0.8 | **0.37** |
| Heat Shrinkage | | MD | ≤4.5 | **3.1** | ASTMD-1204 |
| TD | ≤3.0 | **0.9** |
| HAZE | | % | ≤2.0 | **1.41** | Internal method |
| Wetting tension | | mN/m | ≥38 | **42** | Internal method |
| Gloss | | % | ≥85 | **104.80** | ASTM-1894 |
| Appearance | | Qualified | | | |
| Test Conclution | | Qualified | | | |
| Remarks | |  | | | |

Tested by: Fengtao