**Traffic engineering inspection center of Ministry of Transport Science Research Institute**

**Inspection report**

**Yellow solvent road marking paint**

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| --- | --- | --- | --- | --- | --- |
| **Test item** | | | **Technical requestment** | **Test result** | |
| **Test value** | **Single conclusion** |
| State in a container | | | No caking,No crusting, and easy to mix. | Meet the requestment | qualified |
| Viscosity | | | >/=100(4 cups,s) | 139 | qualified |
| Density(g/cm3) | | | >/=1.2 | 1.5 | qualified |
| Construction performance | | | Air or air free spraying (or scraping) has good construction performance | Meet the requestment | qualified |
| Coating appearance | | | After coating curing, the film should be no crease,no floral,no blistering, no cracking, and no sticky tyres phenomena, film color and appearance compared with pattern should be have no big difference | Meet the requestment | qualified |
| Cure time (min) | | | </= 15 | 15 | qualified |
| Coverage (%) | | | >/=80 | 95 | qualified |
| Chromaticity | White | Chromaticity coordinate (x,y) | (0.519,0.360);(0.468,0.442);  (0.427,0.483);(0.465,0.534) | x=0.500  y=0.473 | qualified |
| Luminance factor | >/= 0.45 | 0.49 | qualified |
| Abrasion Performance / mg (200r/1000g reduce weight) | | | </= 40 | 22 | qualified |
| Anti-watering | | | Immersed in water for 24 hours should be no abnormal phenomenon | Meet the requestment | qualified |
| Anti-alkali | | | Immersed in calcium hydroxide saturated solution for 24 hours should be no abnormal phenomenon | Meet the requestment | qualified |
| Adhesive properties | | | </=4 grade | 4 grade | qualified |
| Flexibility (mm) | | | 5 | Meet the requestment | qualified |
| Solid content (%) | | | >/=60 | 65 | qualified |