



LABORATORY TEST REPORT

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| PRODUCT NAME: SHIELD WARRIOR HLP 68 | DATE : 20/05/2019 |
| BATCH NO: SL/19-05/1455 | |

| SR.NO | TEST | TEST METHOD | UNIT | SPECIFICATION | | BATCH TEST REPORT |
|-------|------------------------------|-------------|--------------------|----------------|----------------|-------------------|
| | | | | Min | Max | |
| 1 | Appearance | Visual | - | Clear & Bright | | Cl & Br |
| 2 | Crackle test | | | | Nil | Nil |
| 3 | Density @ 29.5°C | ASTM D 1298 | Kg/m ³ | Report | | 0.8611 |
| 4 | Colour | ASTM D 1500 | | | L2.5 | L0.5 |
| 5 | Kinematic Viscosity @ 40°C | ASTM D 445 | mm ² /s | 61.2 | 74.8 | 64.49 |
| 6 | Kinematic Viscosity @ 100°C | ASTM D 445 | mm ² /s | Report | | 8.755 |
| 7 | Viscosity Index | ASTM D2270 | | 90 | | 108 |
| 8 | Foaming, Tendency/Stability. | ASTM D 892 | | - | | |
| | Sequence I | - | ml | - | 150/0 | 10/0 |
| | Sequence II | - | ml | - | 75/0 | 10/0 |
| | Sequence III | - | ml | - | 150/0 | 10/0 |
| 9 | Demulsibility @ 54°C | ASTM D1401 | minutes | - | 40 – 37-3 (30) | 40-40-0(20) |
| 10 | Tan | ASTM D974 | MgKOH/g | | 1 | 0.54 |
| 11 | Flash Point | ASTM D92 | Deg.C | 210 | | 234 |
| 12 | Pour Point | ASTM D97 | Deg.C | | -15 | -24 |

Remark: sample pass

Tested By: Sandip Bhayaje

Approved By: