

Certificate of Analysis

Purglyol 812

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|--------------------------|-----------|---------------------|----------------|
| Product Number | PSR38275 | CAS No. | 73398-61-5 |
| Brand | PureSynth | Lot No. | YAVG09ST |
| Molecular Formula | - | Date of Mfg. | September.2022 |
| Molecular Weight | - | Date of Exp. | August.2024 |

| Test | Specification | Result |
|-----------------------|--------------------------------------|---------------|
| Appearance | Colorless to pale yellow oily liquid | Complies |
| Viscosity (At 20°C) | 25 – 33 mPa·s | 30.41 mPa·s |
| Saponification value | 310 - 360 | 333.57 |
| Unsaponifiable matter | NMT 0.5 % | 0.23 % |
| Moisture | NMT 0.2 % | 0.083 % |
| Acid value (mg KOH/g) | NMT 0.2 | 0.11 |
| Hydroxyl value | NMT 10.0 | 3.71 |
| Peroxide value | NMT 1.0 | 0 |
| Iodine | NMT 1.0 | 0.1 |
| C ₆ | NMT 2.0 | 0.1 |
| C ₈ | 50 - 80 | 53.4 |
| C ₁₀ | 20 - 50 | 46.4 |
| C ₁₂ | NMT 3.0 | 0 |
| C ₁₄ | NMT 1.0 | 0 |

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| | | |
|----------------------------|---------------|----------|
| Alkaline impurities | NMT 0.15 ml | 0 |
| Total ash | NMT 0.1 % | 0 |
| Chromium | NMT 0.05 ppm | Complies |
| Lead | NMT 0.1 ppm | Complies |
| Nickel | NMT 0.2 ppm | Complies |
| Copper | NMT 0.1 ppm | Complies |
| Tin | NMT 0.1 ppm | Complies |
| Solubility | As per BP | Complies |
| Identification test | As per BP | Complies |
| Relative density (20°C) | 0.93 – 0.96 | 0.935 |
| Refractive index (At 20°C) | 1.440 – 1.452 | 1.448 |

Condition: Store below 25 °C in tightly closed containers, protect from light and moisture.

Remark: The batch complies with the prescribed quality of the above specification.

Approved By
Head - Technical

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