Certification

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| No: |  | Date: 1400.08.01 |

Peroduction: DOP (DI-OCTYL PHTHALATE)

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| **NO** | **Test** | **Unit** | **Specification** | **Test Method** | **Result** |
| 1 | Appearence | ----- | Clear | ------------ | OK |
| 2 | Color | APHA | Max 50 | ASTM D1045 | 30 |
| 3 | Specific Gravity(20/20C) | gr/mlit | 0.980-0.986 | ASTM D4052 | 0.982 |
| 4 | Acid Value | KOH mg/g | Max 0.07 | ASTM D664 | 0.03 |
| 5 | Acid Value (After Heating) | KOH mg/g | Max 0.2 | JIS K6751 | 0.08 |
| 6 | Volatility(%)(125cx 3hr) | Wt% | Max 0.15 | JIS K6751 | 0.08 |
| 8 | Water Content | Wt% | Max 0.1 | ASTM D1533 | 0.042 |
| 9 | Ester Value | KOH mg/g | 285±3 | ASTM D1045 | 287 |
| 10 | Purity | Wt% | Min 99.5% | GC | 99.7 |

REMARK:

QC-F-15(00)

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