



PT. PANCASAKTI PUTRA KENCANA
IMPORTIR AND STOCKIST OF INDUSTRIAL AND FOOD CHEMICALS

F/QCL/002 Rev.02

CERTIFICATE OF ANALYSIS

Product Name : Diethylene Glycol (DEG)

Batch No. : 20240306

Formula : $C_4H_{10}O_3$

Date Of Analysis : March 06, 2024

| NO | ITEM TEST | UNITS | METHOD | SPECIFICATION | RESULT |
|-----|-----------------------------|-------|-------------|-------------------------|-------------------------|
| 1. | Appearance | — | Visual | Clear Colourless Liquid | Clear Colourless Liquid |
| 2. | Colour | Hazen | ASTM D-1209 | max 10 | 4 |
| 3. | Specific Gravity at 20 °C | — | ASTM D-891 | 1.117 – 1.124 | 1.1183 |
| 4. | Purity (DEG content) | wt % | GC | min 99.0 | 99.94 |
| 5. | MEG content | wt % | ASTM E-2409 | max 0.05 | 0.02 |
| 6. | TEG content | wt % | ASTM E-2409 | max 0.05 | 0.04 |
| 7. | Water Content | wt % | By KF | max 0.1 | 0.002 |
| 8. | Acidity (as CH_3COOH) | ppm | ASTM D-1613 | max 50.0 | 5.5 |
| 9. | Iron (Fe) | ppm | ASTM E-394 | max 0.10 | < 0.01 |
| 10. | Ash content | ppm | ASTM D-482 | max 50.0 | < 10.0 |
| 11. | Initial Boiling Point (IBP) | °C | ASTM D-1078 | min 243 | 243.4 |
| 12. | Dry Point (DP) | °C | ASTM D-1078 | max 250 | 246.4 |

Remark:

This certificate refers to the certificate of analysis from supplier and result of analysis refers to the tested sample only

PT. Pancasakti Putra Kencana



Yuvraj Sagvekar
Quality Control