

**NAME: MEG**

|    | <b>property</b>                                      | <b>Specification</b>       | <b>Test Method</b> | <b>Preferred Method</b> |
|----|--|----------------------------|--------------------|-------------------------|
| 1  | Appearance   | Colourless<br>Transparent  | Visual             | Visual                  |
| 2  | Purity   | 99.8 % (m/m)min            | 100-impurities     | 100-impurities          |
| 3  | Colour (Pt-Co)                                       | 5 max                      | ASTM E 202         | ASTM D 1209             |
| 4  | DEG  | 0.08 % (m/m) max           | ASTM E 611         | SMS 2886                |
| 5  | Water  | 0.08 % (m/m) max           | ASTM E 202         | ASTM E 1064 or E 203    |
| 6  | Specific gravity<br>20/20%                           | 1.1151-1.1156              | ASTM D 4052        | ASTM D 4052             |
| 7  | Boiling range at<br>0.1013 MPa 5 %<br>Vol 95 % Vol   | min 196% max. 199%         | ASTM E 202         | ASTM D 1078             |
| 8  | Aldehydes (as<br>acetaldehyde)                       | 8 mg/kg max                | SMS 1996           | SMS 1996                |
| 9  | Acidity (as acetic<br>acid)                          | 10 mg/kg max               | ASTM D 1613        | ASTM D 1613             |
| 10 | Iron (as Fe)   | 0.1 mg/kg max              | ASTM E 202         | ASTM E 394              |
| 11 | Inorganic chlorides<br>(asCl)                        | 0.05 mg/kg max             | SMS 2296           | SMS 2296                |
| 12 | Ash  | 50 mg/kg max               | ASTM D 482         | ASTM D 482              |
| 13 | UV<br>Transmittance% -<br>220 nm -275 nm -<br>350 nm | 80 min<br>95 min<br>99 min | SMS 1997           | SMS 1997                |