

# MEG

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The plant design capacity is 400 kta MEG under shell(Netherlands) license.

The primary design case is based on production of MEG as main product and DEG and TEG as by-products. Below table provides a summary of the design case.

| MEG                         |                        |
|-----------------------------|------------------------|
| Appearance                  | Colourless,transparent |
| Purity                      | wt % min 99,8          |
| Color (Pt-Co)               | max 5                  |
| DEG                         | 0.08wt % max           |
| Water                       | 0.08wt % max           |
| Specific gravity, 20/20     | 1.1151-1.1156          |
| Boiling range at 0.1013 Mpa |                        |
| 5 Vol                       | Min.196°C              |
| 95 Vol                      | Max. 199°C             |
| Aldehydes (as formaldehyde) | 8 mg/kg max            |



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| Appearance                  | Colourless,transparent |
|-----------------------------|------------------------|
| Acidity (as acetic)         | 10 mg/kg max           |
| Iron (as Fe)                | 0.1 mg/kg max          |
| Inorganic chlorides (as Cl) | 0.05 mg/kg max         |
| Ash                         | 50 mg/kg max           |
| UV Transmittance%           |                        |
| -220 nm                     | 80 min                 |
| -275 nm                     | 95 min                 |
| -350 nm                     | 99 min                 |

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