Tab. 15.1. Organic richness and maturity level evaluation guidelines for source rock (modified from Peters, 1986). Production Index (PI) is calculated as S1/(S1+S2).

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| --- | --- | --- | --- |
| **Organic richness** |  |  |  |
| ***TOC (wt. %)*** | ***S1 (mg HC/g rock)*** | ***S2 (mg HC/g rock)*** | ***Organic richness level*** |
| 0-0.5 | 0-0.5 | 0-2.5 | Poor |
| 0.5-1 | 0.5-1 | 2.5-5 | Fair |
| 1-2 | 1-2 | 5-10 | Good |
| >2 | >2 | >10 | Very good |
| **Maturity level** |  |  |  |
| ***Tmax (o C)*** | ***Ro (%)*** | ***PI*** | ***Maturity level*** |
| 435-445 | 0.6 | 0.1 | Start of the oil generation (top oil window) |
| 470 | 1.4 | 0.4 | End of the oil generation (base of the oil window) |
| >470 |  | 0.4-1 | Wet gas zone |