



Thus 1 mole of methane in combustion will produce 2 mole of water

16gm of methane will produce 36gm of water

1 gm of methane will produce $36/16$ gm of water

3.50×10^{-3} gm of methane will produce $(3.50 \times 10^{-3}) \times (36/16)$ gm of water.

Thus 7.875×10^{-3} gram of water will produce.

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