

# Grodziskie z tymiankiem i limonką

- Gravity **7.6 BLG**
- ABV **2.9 %**
- IBU **17**
- SRM **2.2**
- Style **Spice, Herb, or Vegetable Beer**

## Batch size

- Expected quantity of finished beer **7.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **7.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **9.9 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **3.9 liter(s)**
- Total mash volume **5 liter(s)**

## Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **50 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **3.9 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **50 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **7.1 liter(s)** of **76C** water or to achieve **9.9 liter(s)** of wort

## Fermentables

| Type  | Name                               | Amount        | Yield | EBC |
|-------|------------------------------------|---------------|-------|-----|
| Grain | Grodziski pszeniczny wędzony dębem | 1.1 kg (100%) | 80 %  | 3   |

## Hops

| Use for | Name                  | Amount | Time   | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil    | Marynka               | 5 g    | 60 min | 8.3 %      |
| Boil    | Saaz (Czech Republic) | 10 g   | 5 min  | 3.2 %      |

## Notes

- Zest z 3 limonek  
10g tymianku z paczki  
*Jul 25, 2018, 11:14 AM*