

Grodzisz milionowy

- Gravity **7.6 BLG**
- ABV **2.9 %**
- IBU **32**
- SRM **2.2**
- Style **Grodziskie/Graetzer**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **8 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **31.5 liter(s)**

Steps

- Temp **64 C**, Time **30 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **28 liter(s)** of strike water to **66.8C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **1 min** at **76C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------------------|---------------|-------|-----|
| Grain | Grodziski pszeniczny wędzony dębem | 3.5 kg (100%) | 80 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 30 g | 60 min | 10 % |