

Grodziskie ver.1

- Gravity **7.6 BLG**
- ABV **2.9 %**
- IBU **17**
- SRM **2.4**
- Style **Grodziskie/Graetzer**

Batch size

- Expected quantity of finished beer **4 liter(s)**
- Trub loss **5 %**
- Size with trub loss **4.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **5.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **2.4 liter(s)**
- Total mash volume **3 liter(s)**

Steps

- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **50 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **2.4 liter(s)** of strike water to **67.3C**
- Add grains
- Keep mash **20 min** at **62C**
- Keep mash **50 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **3.3 liter(s)** of **76C** water or to achieve **5.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------------------|----------------|-------|-----|
| Grain | Grodziski pszeniczny wędzony dębem | 0.5 kg (83.3%) | 80 % | 3 |
| Grain | Strzegom Pszeniczny | 0.1 kg (16.7%) | 81 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | Lomik | 5 g | 10 min | 3.8 % |
| Boil | Lomik | 5 g | 60 min | 3.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safbrew S-33 | Ale | Slant | 50 ml | Moja |