

PPA Grodziski 8*

- Gravity **8.5 BLG**
- ABV **3.3 %**
- IBU **35**
- SRM **3.1**
- Style **Grodziskie/Graetzer**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **5.8 liter(s)**
- Total mash volume **7.4 liter(s)**

Steps

- Temp **65 C**, Time **40 min**
- Temp **69 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **5.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **40 min** at **65C**
- Keep mash **20 min** at **69C**
- Keep mash **5 min** at **78C**
- Sparge using **8.7 liter(s)** of **76C** water or to achieve **12.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------------------|----------------|-------|-----|
| Grain | Grodziski pszeniczny wędzony dębem | 1 kg (60.6%) | 80 % | 3 |
| Grain | Viking Malt Wędzony Czereśnią | 0.5 kg (30.3%) | 82 % | 10 |
| Grain | Płatki pszeniczne | 0.15 kg (9.1%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|----------|------------|
| Boil | Lomik | 8 g | 60 min | 3.8 % |
| Boil | Lomik | 8 g | 45 min | 3.8 % |
| Boil | Lublin (Lubelski) | 15 g | 40 min | 4 % |
| Aroma (end of boil) | Sybilla | 15 g | 15 min | 3.5 % |
| Dry Hop | Sybilla | 15 g | 7 day(s) | 3.5 % |
| Dry Hop | Simcoe | 15 g | 7 day(s) | 13.2 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-------------|-----|-----|-------|--------|
| Safale S-04 | Ale | Dry | 5.5 g | Safale |
|-------------|-----|-----|-------|--------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------|--------|---------|--------|
| Fining | Tableta | 0.75 g | Boil | 40 min |