

# Grodziskie jasne

- Gravity **8.8 BLG**
- ABV **3.4 %**
- IBU **18**
- SRM **5.3**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.7 liter(s)**
- Total mash volume **15.6 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**

## Mash step by step

- Heat up **11.7 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **18.6 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

| Type  | Name                                       | Amount         | Yield | EBC |
|-------|--|----------------|-------|-----|
| Grain | Viking Malt<br>Pszeniczny<br>Wędzony Dębem | 3.7 kg (94.9%) | 81 %  | 10  |
| Grain | Viking Malt<br>Karmelowy<br>Czerwony       | 0.1 kg (2.6%)  | 75 %  | 50  |
| Grain | Płatki owsiane                             | 0.1 kg (2.6%)  | 85 %  | 3   |

## Hops

| Use for | Name       | Amount | Time   | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil    | Junga 2019 | 15 g   | 60 min | 10 %       |

## Yeasts

| Name  | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US 05 | Ale  | Dry  | 11.5 g | Fermentis  |

## Extras

| Type  | Name         | Amount | Use for | Time   |
|-------|--------------|--------|---------|--------|
| Other | Łuska ryżowa | 100 g  | Mash    | 15 min |