

# GRODZISZ

- Gravity **6.6 BLG**
- ABV **2.5 %**
- IBU **22**
- SRM **3.1**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **7.5 liter(s)**
- Total mash volume **10 liter(s)**

## Steps

- Temp **63 C**, Time **35 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **7.5 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **35 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **20.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                    | Amount       | Yield  | EBC |
|-------|-------------------------|--------------|--------|-----|
| Grain | Wędzony bukiem BESTMALZ | 1.3 kg (52%) | 82 %   | 10  |
| Grain | Pszeniczny              | 0.8 kg (32%) | 85 %   | 4   |
| Grain | BESTMALZ - Best Pilsen  | 0.4 kg (16%) | 80.5 % | 4   |

## Hops

| Use for | Name  | Amount | Time   | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil    | Lomik | 30 g   | 60 min | 3.8 %      |
| Boil    | Lomik | 20 g   | 20 min | 3.8 %      |

## Yeasts

| Name | Type  | Form | Amount | Laboratory |
|------|-------|------|--------|------------|
| S-33 | Wheat | Dry  | 11 g   | ---        |

## Extras

| Type  | Name              | Amount | Use for | Time  |
|-------|-------------------|--------|---------|-------|
| Spice | SKÓRKA POMARAŃCZY | 10 g   | Boil    | 5 min |

|       |          |      |      |       |
|-------|----------|------|------|-------|
| Spice | KOLENDRA | 10 g | Boil | 5 min |
|-------|----------|------|------|-------|

## Notes

- BURZLIWA 10-14 DNI  
CICHA 7 DNI  
BUTELKWAC 6G GLUKOZY NA L  
*Oct 25, 2017, 11:23 PM*