

# Grodziskie

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- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **22**
- SRM **3.2**
- 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 **73 %**
- Liquor-to-grist ratio **4.5 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **22 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Grodziski	4 kg (100%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	13 g	60 min	11 %
Boil	lunga	10 g	10 min	11 %

## Yeasts

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

## Notes

- Start w 16 stopniach, po opadnięciu piany podnoszone o 1 stopień co 1 lub 2 dni aż do 20 stopni.  
Nagazowanie 2.6  
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