

# Grodzisz

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- Gravity **8 BLG**
- ABV ---
- IBU **16**
- SRM **2.7**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

## Steps

- Temp **53 C**, Time **0 min**
- Temp **66 C**, Time **60 min**
- Temp **71 C**, Time **15 min**
- Temp **76.5 C**, Time **5 min**

## Mash step by step

- Heat up **9 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **0 min** at **53C**
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **71C**
- Keep mash **5 min** at **76.5C**
- Sparge using **21.7 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Grodziski	3 kg (100%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	7 g	60 min	13.5 %
Boil	Magnum	8 g	5 min	13.5 %