

# Grodzisz z kolendrą

- Gravity **8 BLG**
- ABV **3.1 %**
- IBU **39**
- SRM **2.2**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **22 %/h**
- Boil size **14 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **5.6 liter(s)**
- Total mash volume **7 liter(s)**

## Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **40 min**

## Mash step by step

- Heat up **5.6 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **40 min** at **72C**
- Sparge using **9.8 liter(s)** of **76C** water or to achieve **14 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	1.4 kg (100%)	80 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lunga	15 g	60 min	10 %
Boil	Lunga	20 g	0 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM51 Grodzie Dębowe	Wheat	Slant	70 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Fining	Whirlfloc T	0.6 g	Boil	10 min
Spice	Kolendra indyjska	7 g	Boil	10 min