

# Jer (Grodziskie)

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- Gravity **8 BLG**
- ABV **3.1 %**
- IBU **28**
- SRM **3.5**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

## Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

## Mash step by step

- Heat up **9 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Sparge using **13 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Grodziski	3 kg (100%)	80 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	30 g	60 min	4 %
Aroma (end of boil)	Lublin (Lubelski)	20 g	10 min	4 %
Whirlpool	Lublin (Lubelski)	10 g	30 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
S-33	Ale	Dry	11.5 g	Fermentis

## Notes

- Piwo znakomite.  
*Apr 24, 2019, 11:58 AM*