

# Grodzisz milionowy

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- Gravity **7.6 BLG**
- ABV **2.9 %**
- IBU **32**
- SRM **2.2**
- Style **Grodziskie/Graetzer**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **8 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **31.5 liter(s)**

## Steps

- Temp **64 C**, Time **30 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **28 liter(s)** of strike water to **66.8C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **1 min** at **76C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	3.5 kg (100%)	80 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	30 g	60 min	10 %