

# Grodziskie z zestawem grejpfruta/ Modern Grodziskie

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- Gravity **8 BLG**
- ABV **3.1 %**
- IBU **24**
- SRM **2.5**
- Style **Grodziskie**

## Batch size

- Expected quantity of finished beer **10.5 liter(s)**
- Trub loss **10 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **16.1 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **5.6 liter(s)**
- Total mash volume **7.6 liter(s)**

## Steps

- Temp **62 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **5.6 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **1 min** at **78C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **16.1 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem Brunalt	1.5 kg (75%)	80 %	3
Grain	Strzegom Pilzneński	0.5 kg (25%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum Polish Hops	8 g	60 min	13.5 %