GRODZISKIE Z MIĘTĄ 8 BLG #60

- Gravity **4.3 BLG**
- ABV **1.6 %**
- IBU **13**
- SRM **1.7**
- Style **Grodziskie**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **10 %**
- Size with trub loss **44 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **55.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.3 liter(s)**
- Total mash volume **15.8 liter(s)**

Steps

- Temp **53 C**, Time **15 min**
- Temp **64 C**, Time **45 min**
- Temp **73 C**, Time **10 min**

Mash step by step

- Heat up **12.3 liter(s)** of strike water to **57.7C**
- Add grains
- Keep mash **15 min** at **53C**
- Keep mash **45 min** at **64C**
- Keep mash **10 min** at **73C**
- Sparge using **46.4 liter(s)** of **76C** water or to achieve **55.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Grodziski	3 kg *(85.7%)*	80 %	4
Grain	Pilzneński	0.5 kg *(14.3%)*	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	9.1 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Other	Łuska ryżowa	200 g	Mash	5 min
Fining	Mech irlandzki	20 g	Boil	10 min
Spice	Mięta świeża	60 g	Secondary	4 day(s)

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.