

Sofia Olimp/Absztyfikant

- Gravity **8 BLG**
- ABV **---**
- IBU **20**
- SRM **2.3**
- Style **Grodziskie**

Batch size

- Expected quantity of finished beer **20.8 liter(s)**
- Trub loss **6 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **16 %/h**
- Boil size **28 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **11.1 liter(s)**
- Total mash volume **14.1 liter(s)**

Steps

- Temp **65 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **11.1 liter(s)** of strike water to **71.1C**
- Add grains
- Keep mash **40 min** at **65C**
- Keep mash **40 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **19.9 liter(s)** of **76C** water or to achieve **28 liter(s)** of wort

Fermentables

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

Hops

Use for	Name	Amount	Time	Alpha acid
Mash	lunga	50 g	60 min	11 %
Boil	lunga	10 g	60 min	11 %
Aroma (end of boil)	lunga	10 g	10 min	11 %
Whirlpool	lunga	10 g	10 min	11 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM51 Grodzie Dębowe	Wheat	Liquid	30 ml	Fermentum Mobile

Notes

- [http://www.wiki.piwo.org/Grodziskie,_%C5%81ukasz_Szynkiewicz_\(Usiu\)](http://www.wiki.piwo.org/Grodziskie,_%C5%81ukasz_Szynkiewicz_(Usiu))

Przy założeniu 75% wydajności i bardzo wysokim odparowaniu 16% (gotowanie na dwa gary).

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