

miętusek

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **24**
- SRM **4.6**
- Style **Spice, Herb, or Vegetable Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Steps

- Temp **62 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **79 C**, Time **5 min**

Mash step by step

- Heat up **15.3 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **79C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	4 kg (78.4%)	80 %	7
Grain	Pszeniczny	0.5 kg (9.8%)	85 %	4
Grain	zakwaszajacy	0.3 kg (5.9%)	72 %	3
Grain	Weyermann - Carapils	0.3 kg (5.9%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Nugget	15 g	60 min	13 %
Boil	Nugget	10 g	5 min	13 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	---

Extras

Type	Name	Amount	Use for	Time
Herb	mieta	25 g	Boil	2 min