

Lichtenhainer z wędzarni

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **9**
- SRM **3.4**
- Style **Berliner Weisse**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **22.5 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3 kg (57.7%)	79 %	6
Grain	Grodziski pszeniczny wędzony dębem	2.2 kg (42.3%)	80 %	3

Hops

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

Yeasts

Name	Type	Form	Amount	Laboratory
Lactobacillus plantarum Sanprobi IBS	Ale	Liquid	600 ml	Bromaniak
Safale US-05	Ale	Dry	10 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Fining	Whirlflock	1 g	Boil	5 min