

ala gose kwas

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **20**
- SRM **3.5**
- Style **Berliner Weisse**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **7 %**
- Size with trub loss **25.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **75 C**, Time **3 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **3 min** at **75C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **30 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilznieński	5 kg (90.9%)	81 %	4
Grain	Pszeniczny	0.5 kg (9.1%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	25 g	15 min	12 %
Boil	Citra	25 g	5 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
fermentum mobile saison	Wheat	Liquid	20 ml	---

Extras

Type	Name	Amount	Use for	Time
Spice	sol	23 g	Boil	5 min
Spice	kolendra	27 g	Boil	5 min
Other	pulpa mango	800 g	Secondary	---