

Hazy APA

- Gravity **17.1 BLG**
- ABV **7.3 %**
- IBU **61**
- SRM **4.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **20 min** at **62C**
- Keep mash **45 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód Pilznieński Viking Malt 3,2-4,5	4.5 kg (64.3%)	80 %	4
Grain	Słód pszeniczny jasny 3,5-6 EBC	2 kg (28.6%)	82 %	5
Grain	Płatki owsiane	0.5 kg (7.1%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka PL goryczkowy	30 g	60 min	9.5 %
Boil	lunga goryczkowy	30 g	60 min	12.5 %