

Córka Rolnika - v3 Polskie nuty

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **19**
- SRM **3.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **34.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **68 C**, Time **10 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **4 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **10 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **4 min** at **76C**
- Sparge using **23.5 liter(s)** of **76C** water or to achieve **34.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (50%)	80 %	5
Grain	Pszeniczny	2.5 kg (41.7%)	85 %	4
Adjunct	Płatki owsiane	0.5 kg (8.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	6.5 %
Boil	Marynka	10 g	40 min	6.5 %
Boil	Lubelski	15 g	20 min	4.2 %
Boil	Lublin (Lubelski)	15 g	0 min	4.2 %
Dry Hop	Lublin (Lubelski)	60 g	7 day(s)	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale