Żytnie AIPA

- · Gravity 14 BLG
- ABV 5.8 %
- IBU **64**
- SRM 8.7
- Style Rye IPA

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 10 %
- Size with trub loss 23 liter(s)
- · Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 28.8 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3.3 liter(s) / kg
- Mash size 19.1 liter(s)
- Total mash volume 24.9 liter(s)

Steps

- Temp 50 C, Time 20 min
 Temp 66 C, Time 60 min
 Temp 72 C, Time 25 min
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up 19.1 liter(s) of strike water to 54.6C
- Add grains
- Keep mash 20 min at 50C
- Keep mash 60 min at 66C
- Keep mash 25 min at 72C
- Keep mash 5 min at 78C
- Sparge using 15.5 liter(s) of 76C water or to achieve 28.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pale Malt (2 Row) UK	4 kg (69%)	78 %	6
Grain	Żytni	1.4 kg <i>(24.1%)</i>	85 %	8
Grain	Strzegom Karmel 150	0.4 kg <i>(6.9%)</i>	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	15 g	60 min	15.5 %
Boil	Mosaic	30 g	15 min	10 %
Boil	Mosaic	30 g	10 min	10 %
Boil	Cascade	25 g	10 min	6 %
Aroma (end of boil)	Sorachi Ace	30 g	5 min	10 %
Aroma (end of boil)	Zythos	30 g	5 min	11 %
Dry Hop	Cascade	40 g	7 day(s)	6 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis