

## Ara glaucogularis (wg www.przypiwku.pl)

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **53**
- SRM **7.8**
- 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 **90 min**
- Evaporation rate **12 %/h**
- Boil size **27.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.6 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **22.5 liter(s)**

### Steps

- Temp **68 C**, Time **75 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **16.3 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **75 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **17.6 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód Pale Ale Strzegom	5 kg (80%)	79 %	6
Grain	Słód Pszeniczny Bestmalz	1 kg (16%)	82 %	5
Grain	Słód Crystal 160 EBC	0.25 kg (4%)	73.5 %	155

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	10 g	45 min	12.1 %
Boil	Citra	10 g	45 min	13.7 %
Boil	Mosaic	10 g	15 min	12.1 %
Boil	Citra	10 g	15 min	13.7 %
Boil	Amarillo	10 g	15 min	8.7 %
Boil	Mosaic	10 g	7 min	12.1 %
Boil	Citra	10 g	7 min	13.7 %
Boil	Amarillo	10 g	7 min	8.7 %
Boil	Mosaic	15 g	2 min	12.1 %
Boil	Citra	15 g	2 min	13.7 %
Boil	Amarillo	20 g	2 min	8.7 %

Aroma (end of boil)	Mosaic	10 g	0 min	12.1 %
Aroma (end of boil)	Citra	10 g	0 min	13.7 %
Aroma (end of boil)	Amarillo	10 g	0 min	8.7 %
Dry Hop	Mosaic	50 g	7 day(s)	12.1 %
Dry Hop	Citra	50 g	7 day(s)	13.7 %
Dry Hop	Amarillo	50 g	7 day(s)	8.7 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	30 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Water Agent	Gips piwowarski	2 g	Mash	---
Fining	Mech Irlandzki	5 g	Boil	15 min