

## Albedo IPA v.04

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- Gravity **12.4 BLG**
- ABV ---
- IBU **105**
- SRM **4.4**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **3.5 %**
- Size with trub loss **13.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **4 %/h**
- Boil size **15 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **11.4 liter(s)**
- Total mash volume **14.3 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

### Mash step by step

- Heat up **11.4 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **76C**
- Sparge using **6.5 liter(s)** of **76C** water or to achieve **15 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1 kg (35.1%)	80 %	4
Grain	Strzegom Pale Ale	1 kg (35.1%)	79 %	6
Grain	Barley, Flaked	0.6 kg (21.1%)	70 %	4
Grain	Pszeniczny	0.25 kg (8.8%)	85 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	60 min	10.6 %
Boil	Cascade	5 g	60 min	6.8 %
Boil	Centenial	5 g	60 min	9.4 %
Boil	Citra	5 g	60 min	13.5 %
Boil	Mosaic	5 g	60 min	11.7 %
Boil	Equinox	5 g	60 min	13.4 %
Boil	Cascade	5 g	15 min	6.8 %
Boil	Centenial	5 g	15 min	9.4 %
Boil	Citra	5 g	15 min	13.5 %
Boil	Mosaic	5 g	15 min	11.7 %
Boil	Equinox	5 g	15 min	13.4 %

Boil	Cascade	5 g	5 min	6.8 %
Boil	Centenial	5 g	5 min	9.4 %
Boil	Mosaic	5 g	5 min	11.7 %
Boil	Citra	5 g	5 min	13.5 %
Boil	Equinox	5 g	5 min	13.4 %
Dry Hop	Cascade	20 g	3 day(s)	6.8 %
Dry Hop	Centenial	20 g	3 day(s)	9.4 %
Dry Hop	Citra	20 g	3 day(s)	13.5 %
Dry Hop	Mosaic	20 g	3 day(s)	11.7 %
Dry Hop	Equinox	20 g	3 day(s)	13.4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safeale

## Notes

- Chmielenie na zimno:  
10g - Citra na 7 dni chmielenia;  
10g - Mosaic na 7 dni chmielenia;  
10g - Equinox na 7 dni chmielenia;  
10g - Centenial na 7 dni chmielenia;  
10g - Cascade na 7 dni chmielenia;  
10g - Citra na ost. 3 dni chmielenia;  
10g - Mosaic na ost. 3 dni chmielenia;  
10g - Equinox na ost. 3 dni chmielenia;  
10g - Centenial na ost. 3 dni chmielenia;  
10g - Cascade na ost. 3 dni chmielenia;  
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