

## Liczi się kolor

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **40**
- SRM **4.8**
- Style **White IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **52 C**, Time **20 min**
- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **15.7 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pszeniczny	1.2 kg (24%)	81 %	6
Grain	Pale ale	3.3 kg (66%)	80 %	7.5
Grain	Płatki owsiane	0.5 kg (10%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Bravo	15 g	60 min	15.5 %
Aroma (end of boil)	Cascade	30 g	10 min	6 %
Aroma (end of boil)	Amarillo	35 g	5 min	9.5 %
Dry Hop	Amarillo	35 g	7 day(s)	9.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM20 Białe Walonki	Wheat	Liquid	100 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
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Flavor	Liczi	1000 g	Secondary	6 day(s)
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