

BiołyIPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **42**
- SRM **4.5**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **8 %**
- Size with trub loss **23.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **26.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **12.9 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Bohemian Pilsner Malt	3 kg (42.9%)	81 %	4
Grain	Słód pszeniczny Bestmalz	3 kg (42.9%)	82 %	5
Grain	Płatki owsiane	1 kg (14.3%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	30 g	20 min	13 %
Boil	Chinook	30 g	10 min	13 %
Whirlpool	Cascade	50 g	20 min	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew S-33	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	curacao	50 g	Boil	15 min

Spice	kolendra	8 g	Boil	15 min
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