

VIZA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **45**
- SRM **5.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.2 liter(s) / kg**
- Mash size **15.4 liter(s)**
- Total mash volume **20.2 liter(s)**

Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15.4 liter(s)** of strike water to **75.5C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **13.5 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4 kg (83.3%)	79 %	6
Grain	Strzegom Monachijski typ I	0.6 kg (12.5%)	79 %	16
Grain	caramel light	0.2 kg (4.2%)	95 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	30 g	70 min	8 %
Boil	Equinox	10 g	15 min	13.1 %
Boil	Lublin (Lubelski)	40 g	15 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis
Rehydratyzowane				