

polski kaskejd

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **38**
- SRM **3.6**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **34.4 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

Steps

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

Mash step by step

- Heat up **21 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Sparge using **19.4 liter(s)** of **76C** water or to achieve **34.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (50%)	80 %	5
Grain	Strzegom Pilzneński	3 kg (50%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade PL	50 g	30 min	5.5 %
Boil	Cascade PL	50 g	20 min	5.5 %
Boil	Cascade PL	50 g	10 min	5.5 %
Whirlpool	Cascade PL	50 g	0 min	5.5 %
Dry Hop	Cascade PL	100 g	5 day(s)	5.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis