

ALE_KŁOPOT

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **33**
- SRM **3.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 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)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	0.5 kg (10%)	90 %	4
Grain	Viking Pilsner malt	2 kg (40%)	90 %	4
Grain	Viking Pale Ale malt	2.5 kg (50%)	90 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	60 min	12 %
Boil	Cascade	10 g	15 min	7.6 %
Boil	Citra	10 g	15 min	11.6 %
Boil	Cascade	10 g	10 min	7.6 %
Boil	Citra	10 g	10 min	11.6 %
Boil	Citra	15 g	5 min	11.6 %
Boil	Cascade	15 g	5 min	7.6 %
Aroma (end of boil)	Citra	10 g	0 min	11.6 %
Aroma (end of boil)	Cascade	10 g	0 min	7.6 %
Whirlpool	Citra	10 g	5 min	11.6 %
Whirlpool	Cascade	10 g	5 min	7.6 %
Dry Hop	Citra	30 g	4 day(s)	11.6 %
Dry Hop	Cascade	30 g	4 day(s)	7.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - American Ale	Ale	Liquid	100 ml	Wyeast Labs