

jasna APA

- Gravity **12 BLG**
- ABV ---
- IBU **97**
- SRM **4.7**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3 kg (50%)	79 %	6
Grain	Strzegom Pilzneński	3 kg (50%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	zeus	20 g	55 min	15.1 %
Boil	Amarillo	20 g	30 min	8.9 %
Boil	Citra	20 g	30 min	13.5 %
Aroma (end of boil)	Amarillo	20 g	55 min	8.9 %
Aroma (end of boil)	Citra	20 g	55 min	13.5 %
Dry Hop	Amarillo	40 g	4 day(s)	8.9 %
Dry Hop	Citra	40 g	4 day(s)	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Dry	10 g	---