

Czyszczenie magazynu Warka Nr 9

- Gravity **17.7 BLG**
- ABV **7.6 %**
- IBU **51**
- SRM **6.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **20.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.3 liter(s)**
- Total mash volume **24.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4.5 kg (73.8%)	79 %	6
Grain	Karmelowy Czerwony	0.2 kg (3.3%)	75 %	50
Grain	Strzegom Pilznieński	1.2 kg (19.7%)	80 %	4
Grain	Płatki owsiane	0.2 kg (3.3%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sterling	34 g	40 min	4.5 %
Boil	Target	15 g	40 min	10.5 %
Boil	Willamette	20 g	10 min	5.2 %
Aroma (end of boil)	Citra	30 g	10 min	12 %

Extras

Type	Name	Amount	Use for	Time
Water Agent	Gips piwowarski	2 g	Mash	60 min