

APA PiwoWarZone3

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **35**
- SRM **10.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **0 %**
- Size with trub loss **25 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (33.3%)	80 %	5
Grain	Strzegom Wiedeński	1 kg (16.7%)	79 %	10
Grain	Strzegom Monachijski typ II	1 kg (16.7%)	79 %	22
Grain	Fawcett - Pale Crystal	1 kg (16.7%)	72.8 %	90
Grain	Strzegom Pilzneński	1 kg (16.7%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	10 %
Boil	Mosaic	20 g	15 min	10 %
Boil	Amarillo	20 g	15 min	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	20 ml	Fermentum Mobile